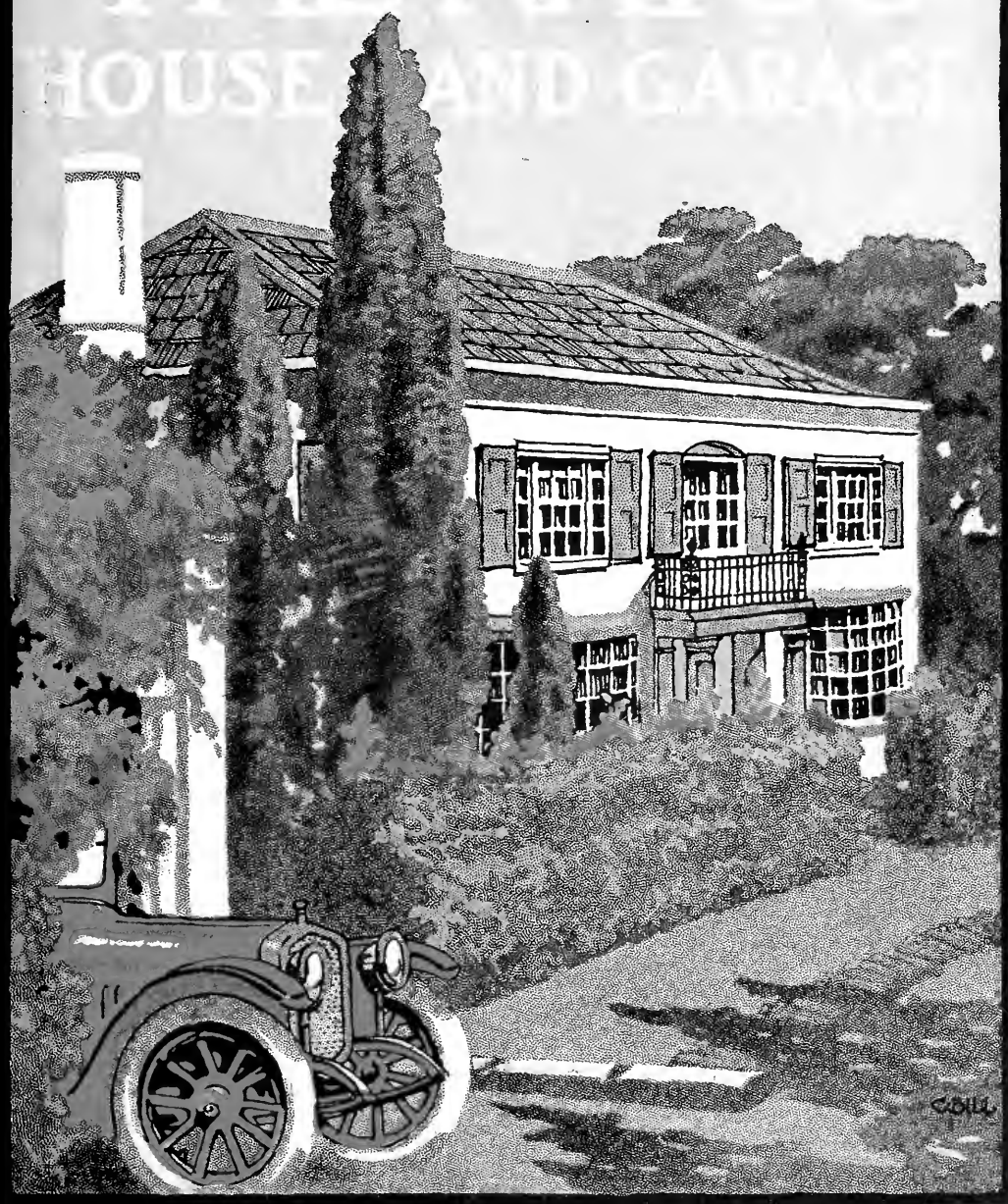



# THE NATCO HOUSE AND GARAGE



COILL



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# The Natco Suburban House and Garage

ATTRACTIVE  
ECONOMICAL  
D U R A B L E  
FIREPROOF

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PRICE, FIFTY CENTS

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1915

# The Natco Suburban House and Garage

## FOREWORD

THE development of extensive suburban tracts on the outskirts of our larger cities during the last few years has been remarkable. The greatest single factor making for this movement is the popularization of the automobile. Where real estate developments were formerly limited to sections having good lines of transportation, this restriction has been removed, for the automobile, reduced in initial cost and upkeep, is now within the means of a great number of people. No longer is the average man limited to having merely a summer home out of the city, but now he may live away from the noise and dirt during the whole year, eliminating distance by the use of the automobile.

This gratifying change in the living habits and conditions of a great many people has created a new architectural problem:—the designing of a suburban house with an adjoining garage. While the man living in the city has many public garages at his disposal, the suburban dweller must provide some place of his own where he may keep his car. To the man building a home of moderate cost this close proximity of his garage is of advantage in that it places his car at his immediate disposal.

In building in the suburbs, the very first requirement to be laid down is that the structures shall be fireproof or as nearly so as conditions will allow. The question of safety from fire becomes a very real issue when it is realized how often the suburban district is without adequate fire apparatus. Fire prevention must then take the place of fire-fighting. The hazard in the case of the garage is increased by the very nature of its purpose so that prevention is even more necessary.

This demand for fireproofing is satisfied when the construction is of Natco XXX Hollow Tile. The garage with tile walls and the usual concrete floor will be absolutely fireproof; while the house with tile walls and wooden floor construction will be semi-fireproof. The house may be made entirely fireproof by using Natco Tile for the floor construction as well as for the walls and partitions. Regular tile shapes can be used for this purpose. By placing them four or five inches apart, forms are made for the pouring of concrete beams. This makes a most rigid and substantial floor, not only completing the fireproofing of the building but strengthening the whole construction at the same time. This is fireproofing at the lowest cost, for any cheaper construction must be of wood and obviously can make no pretense at being fireproof.

After fireproofing the next consideration of vital importance to any home

builder -and especially to the builder of the home of moderate cost--is the question of the upkeep of the house. The wooden dwelling by the very nature of its material will necessitate repairs which increase surprisingly with each year, and at the same time the deterioration of the structure will impair its marketable value to a very appreciable extent. The largest share of this upkeep cost is eliminated by the use of Natco XXX Hollow Tile, and at an initial cost so slightly higher than the perishable and inflammable wooden construction that a few years will show a balance clearly in favor of the tile house.

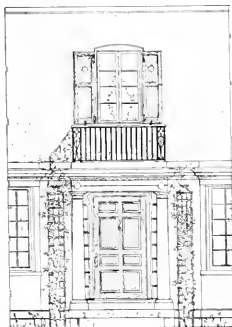
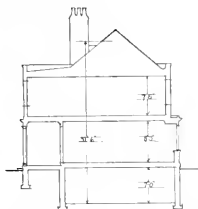
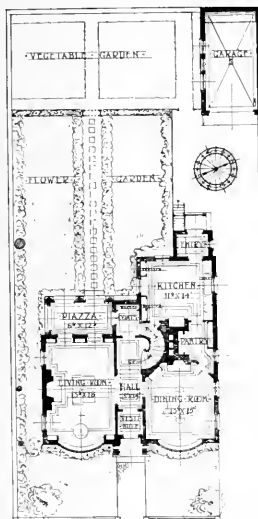
Besides these considerations of fireproofing and upkeep Natco Tile construction has an added advantage of comfort. The air spaces which are afforded by the hollow cells of the tiles have an insulating value of great importance; they make the phrase, "warm in winter; cool in summer" a realized actuality which should be gratefully appreciated.

With such advantages of Natco Tile construction added to the possibility of making the exterior as attractive as when any other material is used, the only factor to be questioned is the slight additional cost involved in constructing the building. While the cost of tile is a little more than for the more perishable materials there are two points of distinct saving where tile is used. One of these is due to the fact that the interior plastering may be applied directly to the surface of the tile, thus avoiding the expense of the usual lathing, and the other is in saving in the labor of construction, which is reduced in the tile house because of the large size of the tile and the resulting rapidity with which a wall may be built. The largest saving, however, is to be found in the expense of upkeep, which is necessary in the cheaper house and unnecessary in the house of Natco XXX Hollow Tile. This saving alone is so large that it practically eliminates the question of the initial expense in construction where tile is used.

In the following pages are reproduced drawings which were submitted in a competition for the design of a Suburban House and Garage to be located on a fifty-foot lot in the outskirts of a large city or at some suburban development. They are the work of architects from all parts of the country and readily show how various are the possibilities of producing an attractive design in this material. These schemes are not mere dreams of idealists, but are real practical solutions of the problem by architects who are daily producing work. For this reason they should be of actual value to the prospective home builder in indicating to him the possibilities in the use of Natco XXX Hollow Tile.

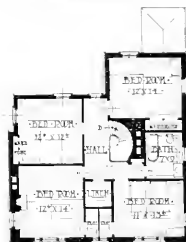
The designers were limited in the size they could make their buildings by the restriction that the volume of the house should not exceed 35,000 cubic feet and that of the garage 4,000, making a total of 39,000 cubic feet. While the cost of construction will vary with the location of the building and with the conditions governing the cost of labor and material, the average cost of this type of dwelling is not over twenty cents per cubic foot, which would make the cost of the designs here shown a very little if any over \$7,500.

# THE NATCO HOUSE AND GARAGE



## CUBAGE

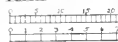
MAIN HOUSE - 34'0" X 21'0" X 31'0"  
 + 17'0" X 6'0" X 31'0" = 27247  
 KITCHEN - 14'0" X 16'0" X 31'0" = 7308  
 BATH - 5'0" X 7'0" X 31'0" = 269  
 - TOTAL - 34824 -  
 GARAGE - 12'0" X 21'0" X 15'0" = 3780 -



## SECOND FLOOR

SCALE - OF PLANS -

SCALE - OF DETAILS -



DESIGN FOR A SUBURBAN HOUSE AND GARAGE



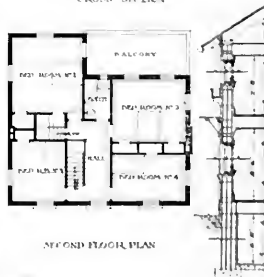
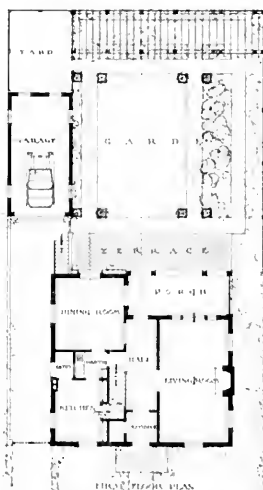
TO BE BUILT OF NATCO XXX HOLLOW TILE SUPPLIED BY

FIRST PRIZE DESIGN  
 Submitted by William G. Rantoul,  
 6 Beacon Street, Boston, Mass.

# THE NATCO HOUSE AND GARAGE



| SIZES OF ROOMS |                              |
|----------------|------------------------------|
| LIVING ROOM    | 13.6 x 23.10                 |
| DINING ROOM    | 13.4 x 11.0                  |
| KITCHEN        | 10.0 x 13.0                  |
| B.M.E.         | 6.0 x 17.0                   |
| BED ROOM N° 1  | 13.4 x 11.6                  |
| N° 2           | 11.6 x 12.1                  |
| N° 3           | 10.0 x 11.8                  |
| N° 4           | 14.6 x 9.2                   |
| BATH           | 5.0 x 5.8                    |
| CUBAGE         |                              |
| HIGH ST.       |                              |
| MAIN PART      | 15.23.6 x 52.6 = 79420 c.ft. |
| ATTACHED       | 7.0 x 15.0 x 12.5 = 1060 "   |
| POOR H. ST.    | 7.0 x 10.0 x 12.5 = 875 "    |
| TOTAL          | 80971                        |
| GARAGE         | 12.5 x 21.0 x 11.0 = 2916 "  |



DESIGNED  
BY

DESIGN FOR A SUBURBAN HOUSE AND GARAGE  
TO BE BUILT OF  
NATCO XXX HOLLOW TILE

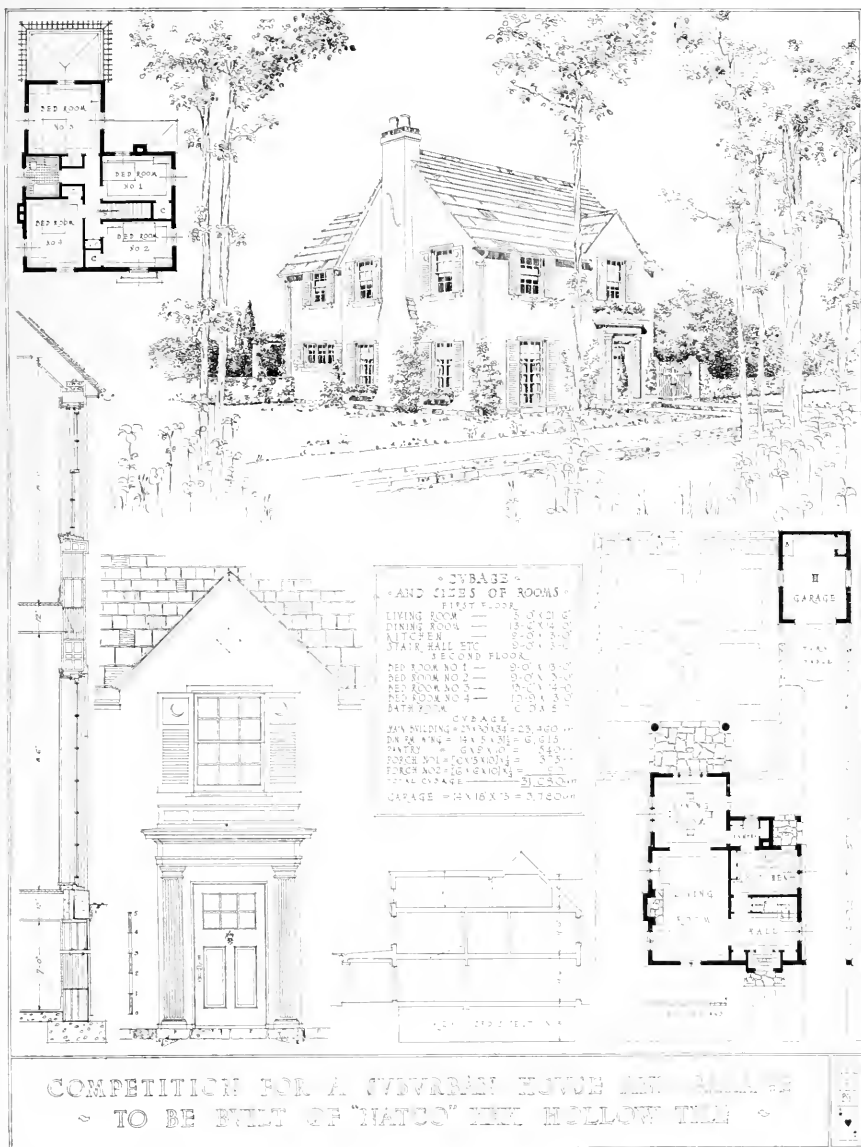
A  
MID-  
SUMMER  
RIGHTS  
DREAM

SECOND PRIZE DESIGN

Sponsored by the Natco Building Co.,  
647 West 117th Street, New York, N. Y.



# THE NATCO HOUSE AND GARAGE

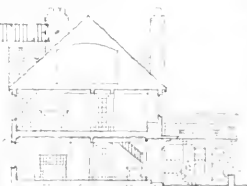


THIRD PRIZE DESIGN  
Submitted by J. Ivan Dice,  
418 West 118th Street, New York, N. Y.

# THE NATCO HOUSE AND GARAGE



DESIGN for  
A SYMBIAN HOUSE and GARAGE  
TO BE BUILT of  
NATCO XXX HOLLOW TILE



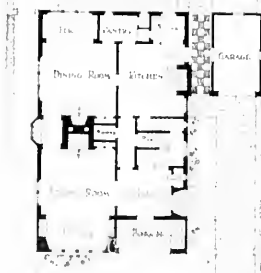
## SIZE OF ROOMS - CYBERS - FIRST FLOOR

HALL 10-6-9 LENGTH 40-0  
LIVING ROOM 18-4-6 WIDTH 28-0  
DINING ROOM 14-4-6 HEIGHT 11-12  
KITCHEN 14-13 1/2 TO 4-1/2  
HALL 24-0

## SECOND FLOOR

BED ROOM 14-14 BAY & PORCH IN  
2 BED ROOMS 14-11 FRONT OF MAIN  
BATHS ROOM 1-0 WALL-170 0-11  
SEWING ROOM 9-6-0 CLOSET-5792 0-11  
BATH ROOM 9-6-0 TOTAL 34602 0-11

CLOSET - KITCHEN  
& DINING ROOM ROOM



## DETAIL OF ENTRANCE

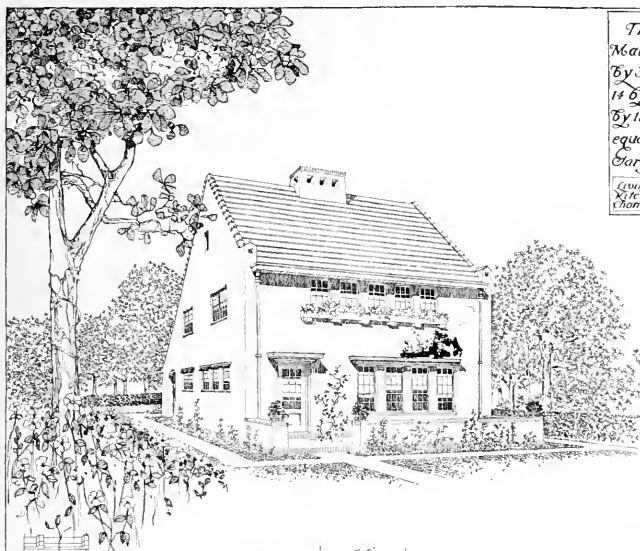


## SECOND FLOOR

SYMBIAN  
NATCO

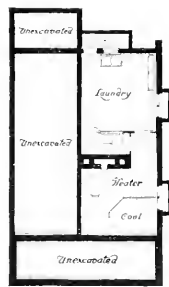
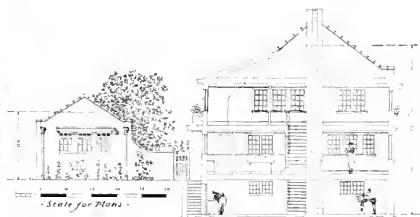
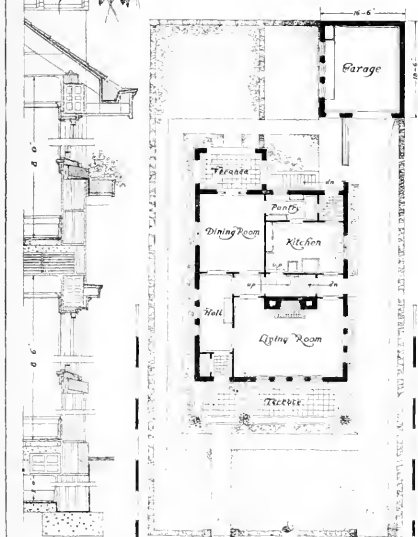
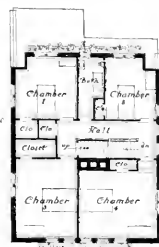
FOURTH PRIZE DESIGN  
Submitted by Richard M. Power,  
12 Oxford Avenue, Belmont, Mass.

# THE NATCO HOUSE AND GARAGE



**THE CUBIC CONTENTS**  
 Main Body of Building 30' by 37'  
 6' by 33' minus unexcavated portion  
 14' by 38' 6' by 38' plus veranda 8' by 14'  
 8' by 12' + 4' terrace 8' by 30' 8' by 3' +  
 equals 34488 cubic feet totals  
 Garage 16 1/2' by 18 1/2' by 13' = 3968

Living Room 11' x 14 1/2' Dining Room 12' x 14 1/2'  
 Kitchen 10' x 12' Pantry 4' x 10' Chamber 11' x 11 1/2'  
 Chamber 10' x 12' Chamber 3' x 11' Chamber 10' x 11'



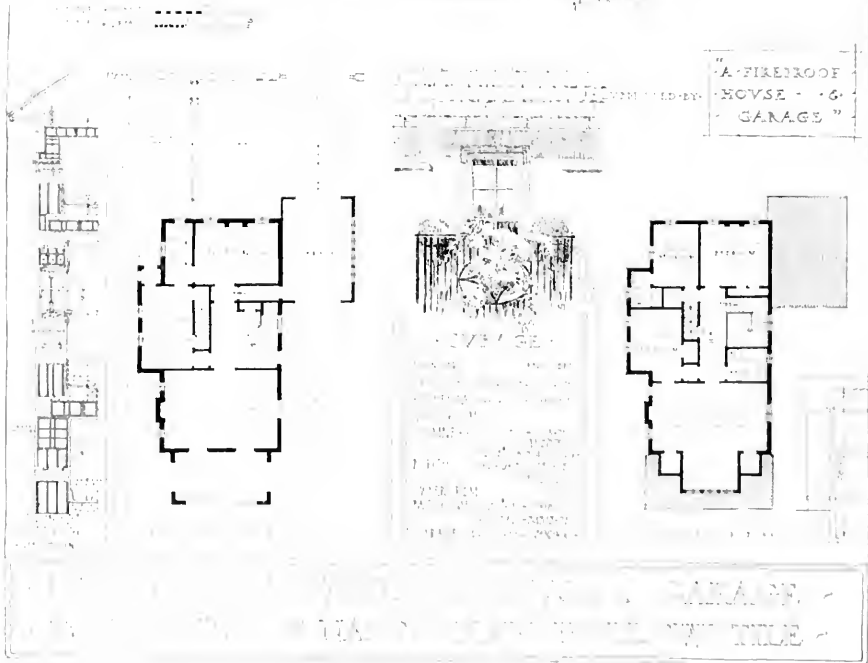
## DESIGN FOR A SUBURBAN HOUSE & GARAGE

TO BE BUILT OF NATCO XXX HOLLOW TILE

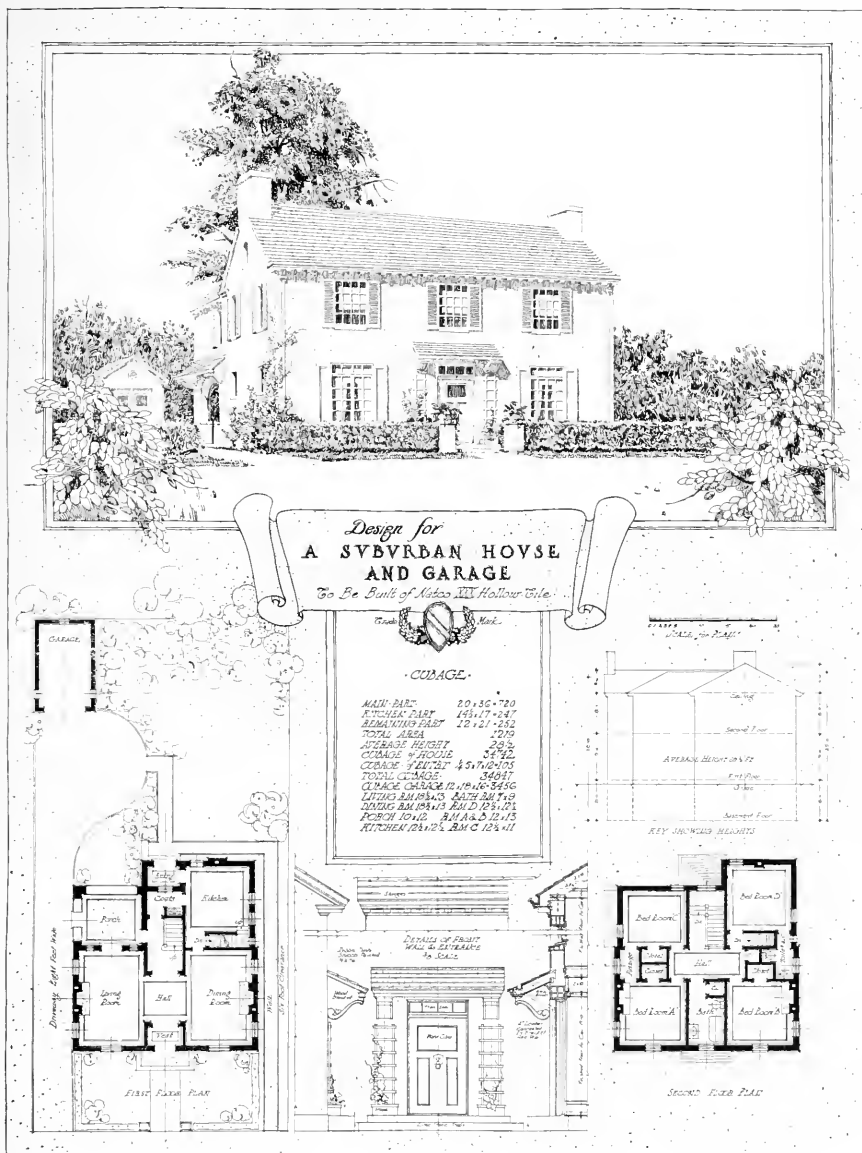
MENTION DESIGN

Submitted by Warner A. Ebbets,  
 6049A Catharine Street, Philadelphia, Pa.

# THE NATCO HOUSE AND GARAGE



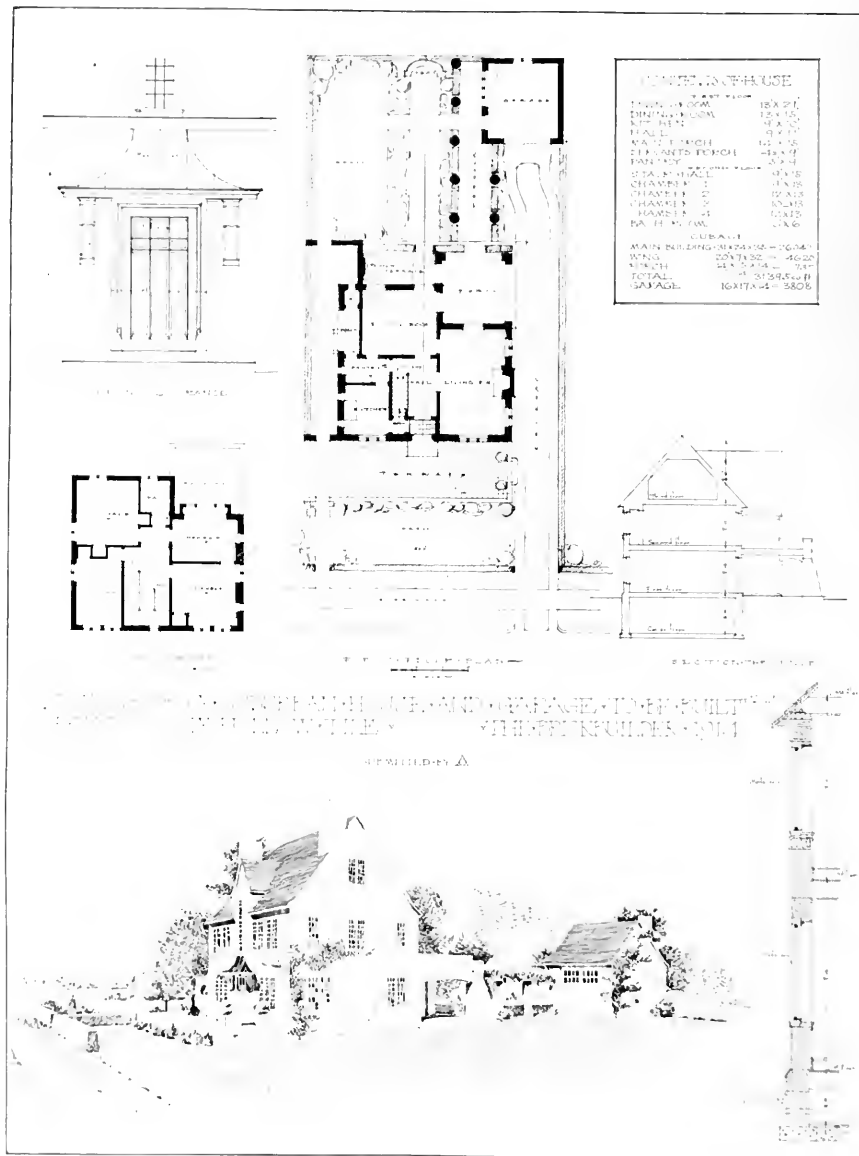
MENTION DESIGN  
Submitted by W. P. Hutchins and J. P. Morgan,  
812 Magee Building, Pittsburgh, Pa.



MENTION DESIGN

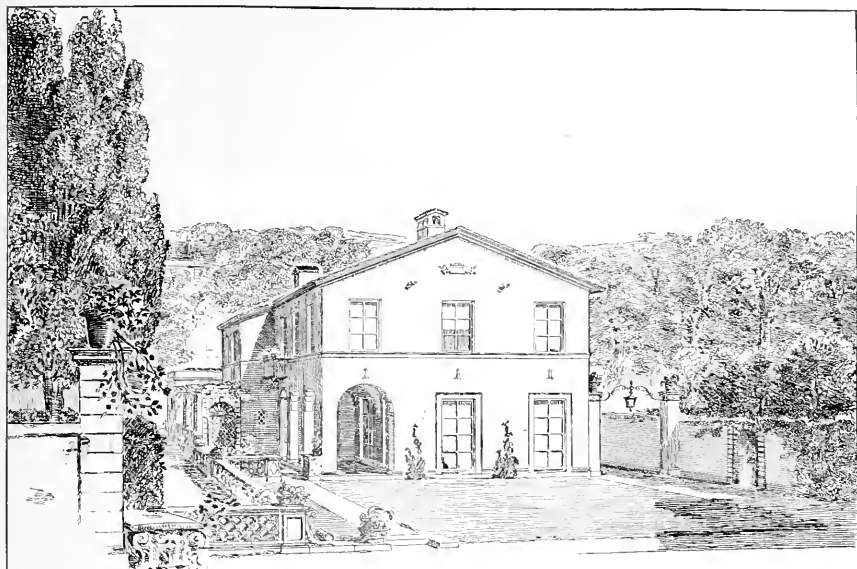
Submitted by Lawrence L. Wolfe,  
 213 Sixth Avenue, Pittsburgh, Pa.

## THE NATCO HOUSE AND GARAGE



MENTION DESIGN

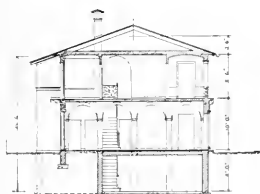
Submitted by Robert A. Taylor,  
925 Chestnut Street, Philadelphia, Pa.



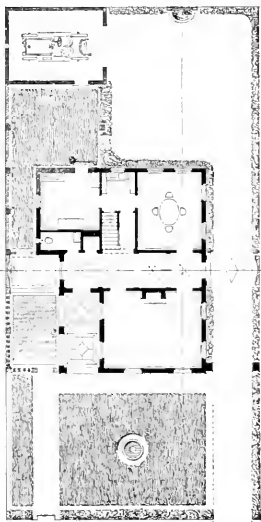
# DESIGN FOR A SUBURBAN HOUSE AND GARAGE TO BE BUILT OF NATCO XXX HOLLOW TILE

## • THE CUBAGE •

BASEMENT • NOT EXCAVATED  
UNDER PORCH NOR UNDER END  
OF HALL CONTAINS CUBIC FEET = 8416  
FIRST FLOOR 11080  
PORCH FIGURED AT ONE FOURTH 312  
SECOND FLOOR MAIN PART 2860  
SECOND FLOOR EXTENSION HAS  
LOWER CEILING 646  
ROOF OVER MAIN BODY OF  
HOUSE 4060  
TOTAL CUBIC FEET IN HOUSE = 34374  
GARAGE 3900

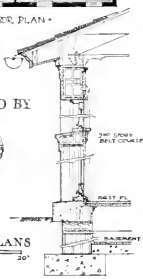


• SECTION THROUGH HALL •



• SECOND FLOOR PLAN •

SUBMITTED BY



SCALE OF PLANS

0 5 10 20

MENTION DESIGN

Submitted by T. H. Ellett,

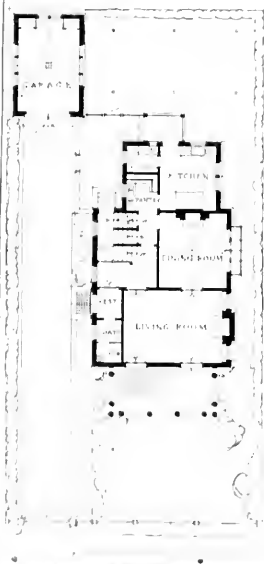
Madison Square Garden Tower, New York, N. Y.

# THE NATCO HOUSE AND GARAGE



SUBMITTED BY

DATE: EFFECT FOR PLANS AND BUILDING SECTION



| SIZES OF VARIOUS ROOMS               |                     |
|--------------------------------------|---------------------|
| FIRST FLOOR                          | SECOND FLOOR        |
| LIVING RM. 12' x 16'                 | BED RM. 1 11' x 12' |
| DINING RM. 11' x 12'                 | BED RM. 2 10' x 11' |
| KITCHEN 10' x 11'                    | BED RM. 3 11' x 12' |
| BREAKFAST RM. 8' x 9'                | BATH 5' x 6'        |
| TERRACE 12' x 12'                    | HALL 4' x 6'        |
| GARAGE 12' x 12'                     |                     |
| CUBAGE                               |                     |
| TOTAL 2750 CU. FT.                   |                     |
| PLAN WING 33' x 22' = 726 SQ. FT.    |                     |
| MAIL ROOM 10' x 10' = 100 SQ. FT.    |                     |
| PLAN TERRACE 12' x 12' = 144 SQ. FT. |                     |
| TOTAL 970 SQ. FT.                    |                     |

DESIGN FOR A SUBURBAN HOUSE AND GARAGE TO BE BUILT OF NATCO XXXI HOLLOW TILE

MENTION DESIGN

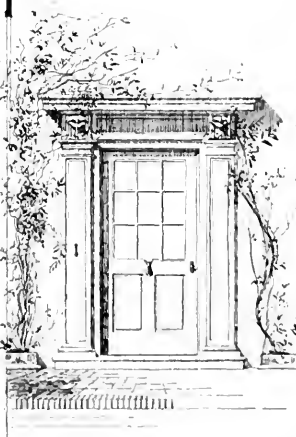
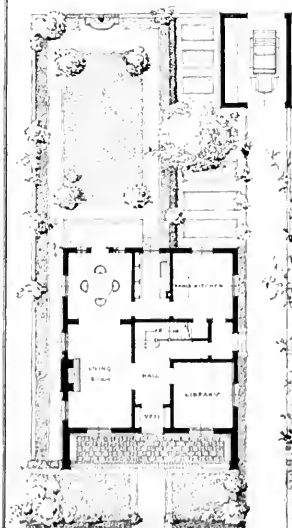
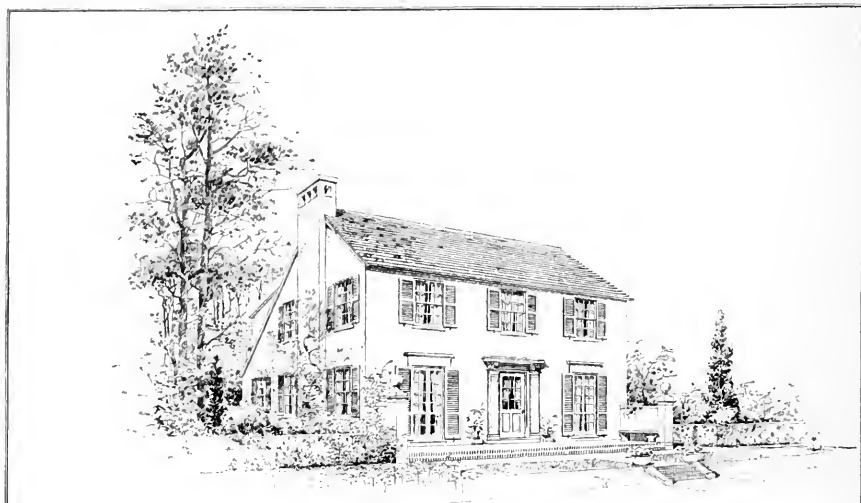
Designed by Charles C. Grant,

111 West 57th Street, New York, N. Y.





# THE NATCO HOUSE AND GARAGE



| SIZES OF ROOMS |                          |
|----------------|--------------------------|
| LIVING ROOM    | 12' 6" X 20' 0"          |
| DINING ROOM    | 12' 6" X 14' 0"          |
| KITCHEN        | 12' 6" X 13' 0"          |
| BEDROOM N° 1   | 12' 6" X 20' 0"          |
| BEDROOM N° 2   | 13' 0" X 14' 0"          |
| BEDROOM N° 3   | 13' 6" X 13' 6"          |
| BEDROOM N° 4   | 18' 0" X 13' 4"          |
| BATHROOM       | 7' 0" X 6' 0"            |
| CUBAGE         |                          |
| BUILDING FEET  | 35' 0" X 22' 4" = 89,400 |
| BASEMENT       | 35' 0" X 14' 0" = 4,914  |
| FOUNDATION     | 25' 0" X 14' 0" = 400    |
| FRONT TERRACE  | 33' 0" X 14' 0" = 243    |
| REAR TERRACE   | 12' 0" X 14' 0" = 168    |
| <b>TOTAL</b>   | <b>97,525</b>            |

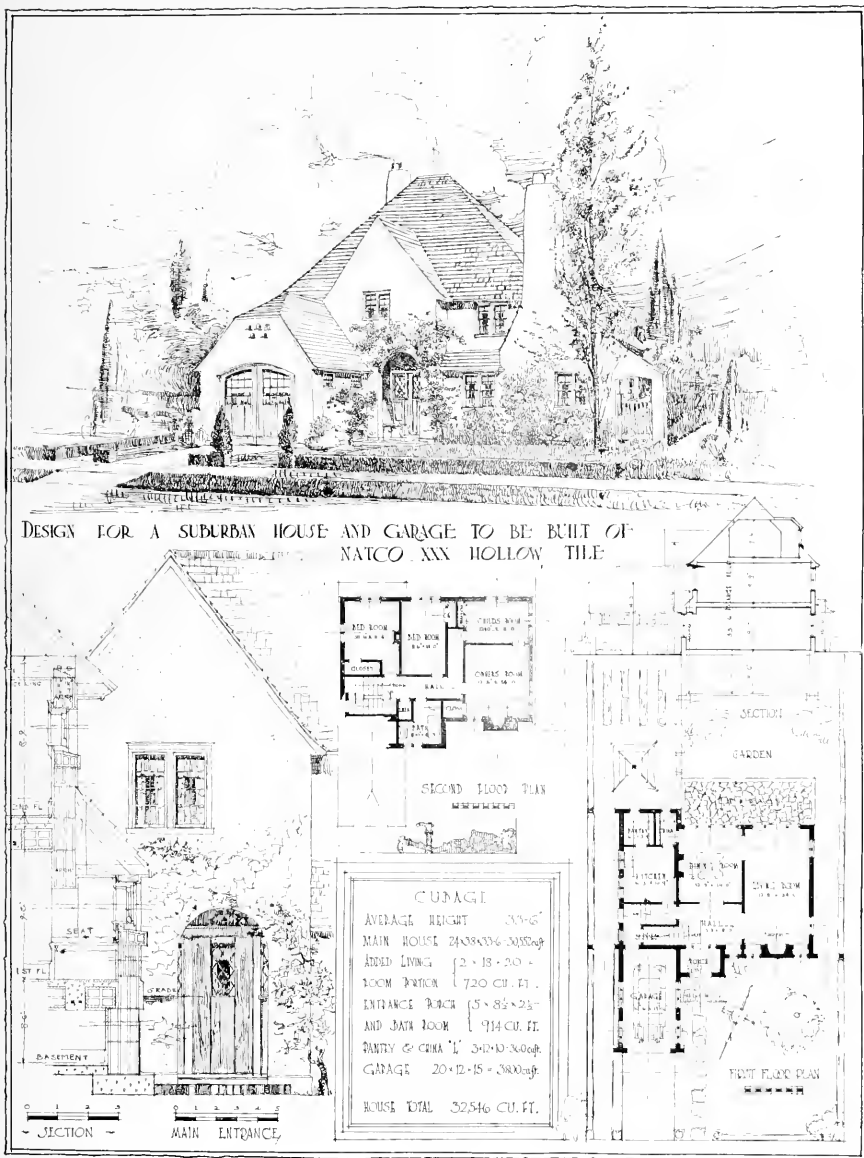


DESIGNED BY "NATCO"

DESIGN FOR A SUBURBAN HOUSE AND GARAGE TO BE BUILT OF NATCO XXX HOLLOW TILE

ATTENTION DESIGN

Designed by Antonio di Nardo and William Gehron,  
101 Park Avenue, New York, N. Y.



MENTION DESIGN

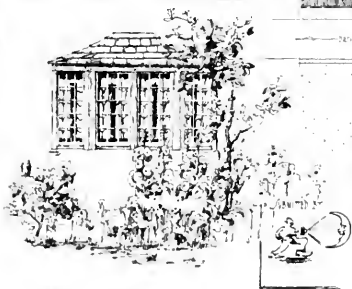
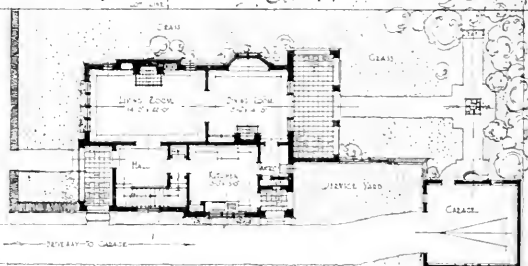
Submitted by Ernest Hayward and Sigmund Nesselroth,  
6 Beacon Street, Boston, Mass.

# THE NATCO HOUSE AND GARAGE



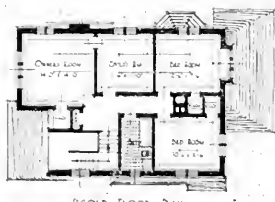
## THE COVERAGE

|                         |              |
|-------------------------|--------------|
| MAIN HOUSE              |              |
| 41' x 16' x 20' —       | 9600 CU FT   |
| 20' x 13' x 30' —       | 3650 CU FT   |
| 11' x 21' x 105' —      | 221 CU FT    |
| CHIMNEY IN LOG RM —     |              |
| 13' x 11' x 12' —       | 156 CU FT    |
| PORCHES                 |              |
| 8' x 125' x 65' x 14' — | 284 CU FT    |
| 14' x 9' x 22' x 14' —  | 792 CU FT    |
| WALL STAIR CHIMNEY ETC  | 180 CU FT    |
| TOTAL                   | 34,963 CU FT |
| GARAGE                  |              |
| 19' x 17' x 12' 4" —    | 4000 CU FT   |



DETAIL OF DINING ROOM BAY  
SCALE 1" = 1'-0"

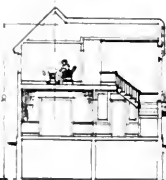
## FIRST FLOOR & LOT PLAN



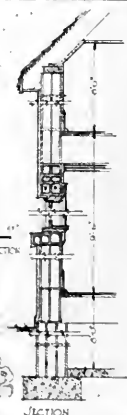
SECOND FLOOR PLAN

SCALE 1/4" = 1'-0"

DESIGN FOR A SUBURBAN HOUSE  
& GARAGE TO BE BUILT OF  
NATCO XXX HOLLOW TILE



KEY SECTION



SECTION

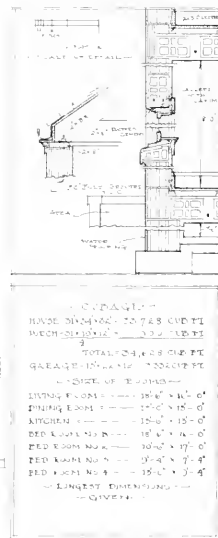
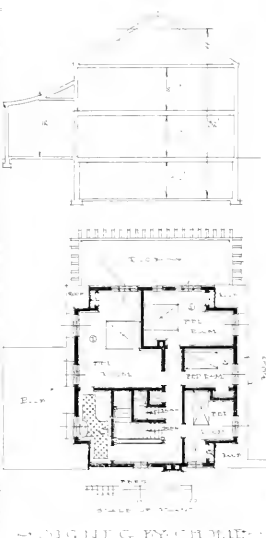
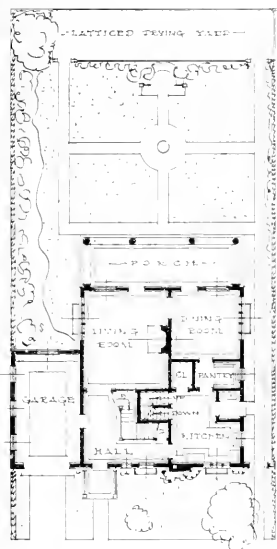
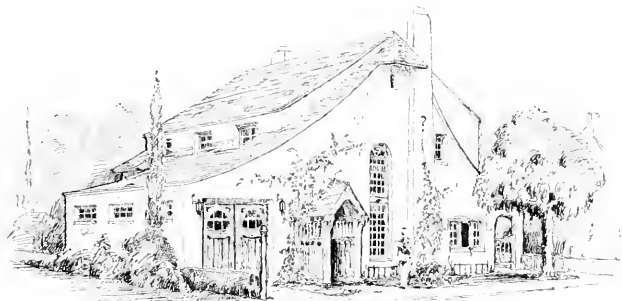
## NOTION DESIGN

DESIGNED BY William J. Mooney and Gordon H. Robb,  
110 N. Main Street, Boston, Mass.



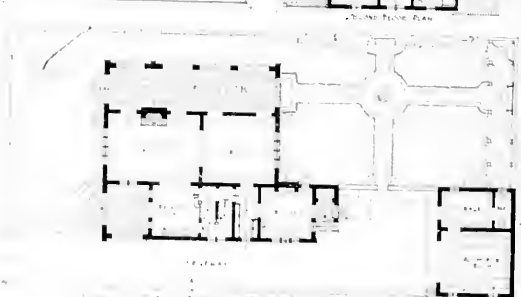
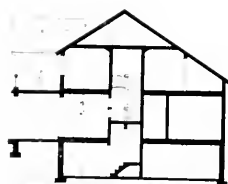


DESIGN FOR A SUBURBAN HOUSE AND GARAGE TO BE BUILT OF NATCO<sup>SM</sup> HOLLOW TILE. ■



Design Submitted by Harold Van Der Voort Walsh,  
602 South Broadway, Yonkers, N. Y.

# THE NATCO HOUSE AND GARAGE

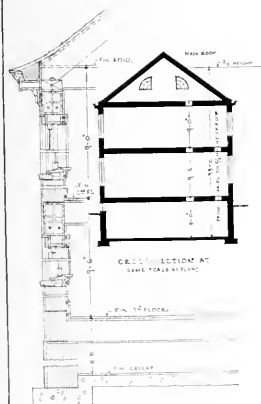
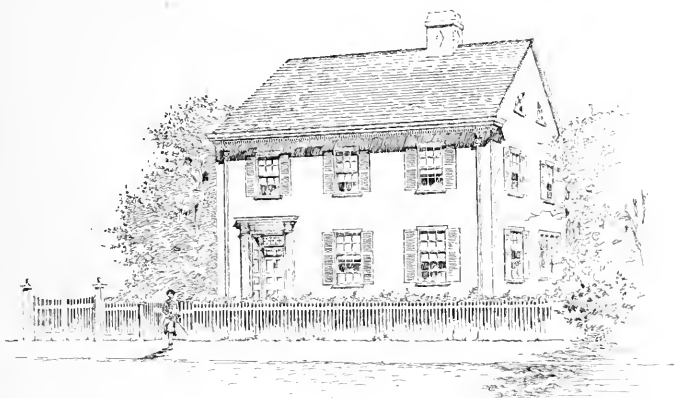


DESIGN FOR A SUBURBAN HOUSE AND GARAGE  
TO BE BUILT OF NATCO XXX HOLLOW TILE

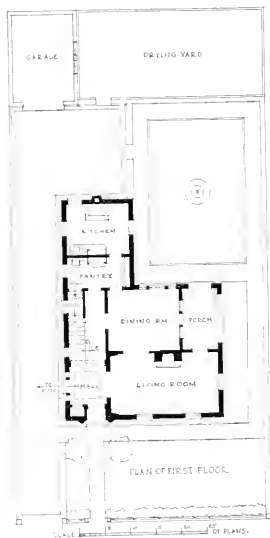
Design Submitted by Adrian C. Finlayson,  
2 Boulevard Louise, Santurce, San Juan, P. R.



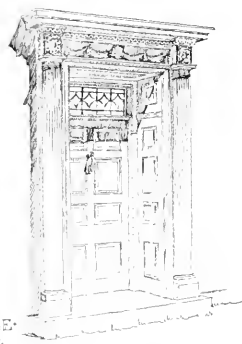
# THE NATCO HOUSE AND GARAGE



PLAN OF SECOND FLOOR



PLAN OF FIRST FLOOR



DESIGNED BY EDWARD ARNEMANN

## FIRST FLOOR

LIVING ROOM 12'x21'  
DINING ROOM 12'x14'  
KITCHEN 10'x12'-6"

## SECOND FLOOR

BED ROOM A 10'x12'  
BED ROOM B 12'x17'  
BED ROOM C 10'x14'  
BED ROOM D 10'x12'

## CYRAGE

MAIN HOUSE 26'x31' = 806 SQ. FT.  
KITCHEN WING 14'x17' = 238

HEIGHT FROM CEILING TO  
AVERAGE HEIGHT MAIN ROOF 25'

HOUSE TOTAL CYRAGE 1044 SQ. FT.

HOUSE TOTAL CYRAGE 1044 SQ. FT.

GARAGE 19'x16'x15' = 2750 CUB. FT.

DESIGN FOR A SUBURBAN HOUSE & GARAGE  
TO BE BUILT OF NATCO XXX HOLLOW TILE

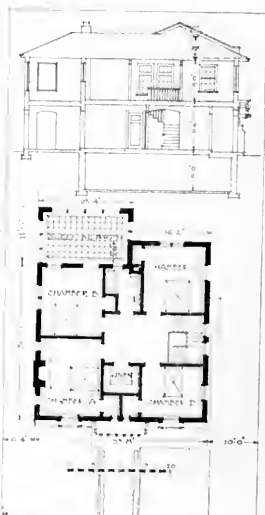
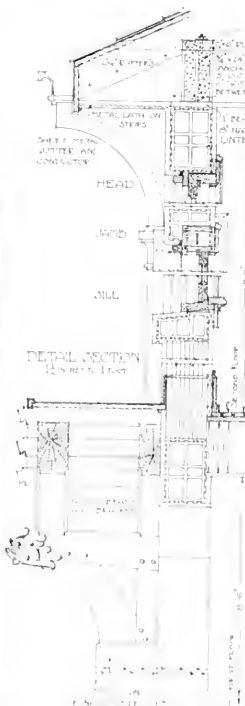
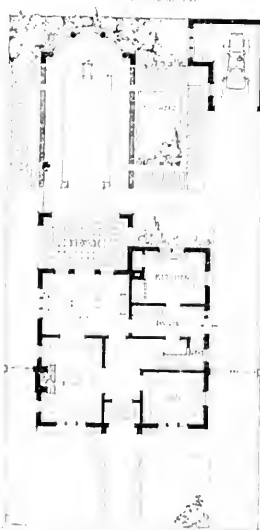
Design Submitted by Edward Arnemann,  
554 Gregory Avenue, Weehawken, N. J.

# THE NATCO HOUSE AND GARAGE

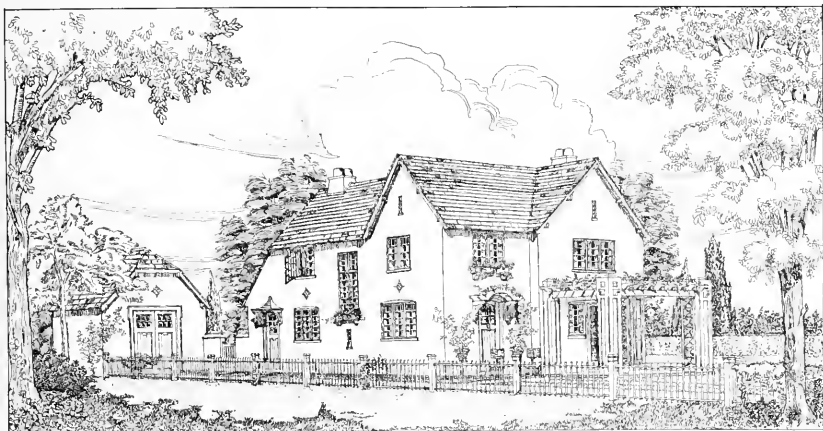
DESIGN FOR A SUBURBAN HOUSE  
AND GARAGE TO BE BUILT OF  
NATCO XXX HOLLOW TILE  
SUBMITTED BY M.

## COVERAGE CALCULATION

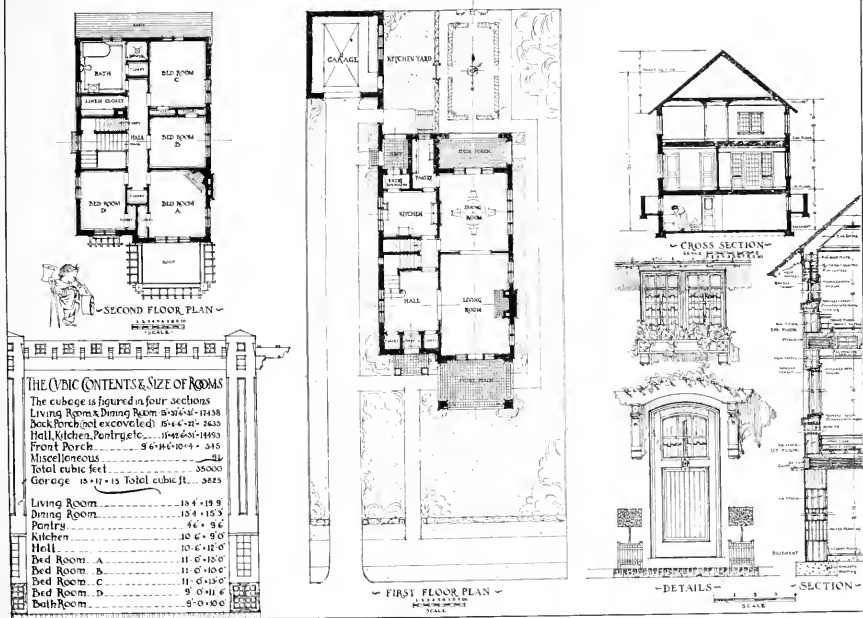
AREA OF PLAN EXCHANGE OF ROOM  
14'4" x 8' x 12'2" + 4'6" = 1106 SQ. FT.  
HEIGHT WITH BASEMENT FLOOR TO  
GARAGE FLOOR HEIGHT (SEE SECTION)  
20' x 11'6" x 30' = 3316  
TOTAL AREA  $(14'4" \times 11'6") \times 4 = 1210$   
CHIMNEY ATTACHED GARAGE 14'2"  
TOTAL GARAGE FLOOR 3456  
TOTAL AREA = 2574  
ROOM SIZES  
LIVING RM 12'6" x 16'6" CHIMNEY 12'6"  
DINING RM 12'4" x 12'6" D 12'6"  
KITCHEN 12'4" x 12'6" D 12'6"  
BATH 12'4" x 12'6" D 12'6"  
HALL 12'4" x 12'6" D 12'6"  
TOTAL CH 166'4" TOTAL FM 166'4"



Design Submitted by Francis Palmer Smith,  
Georgia School of Technology, Atlanta, Ga.

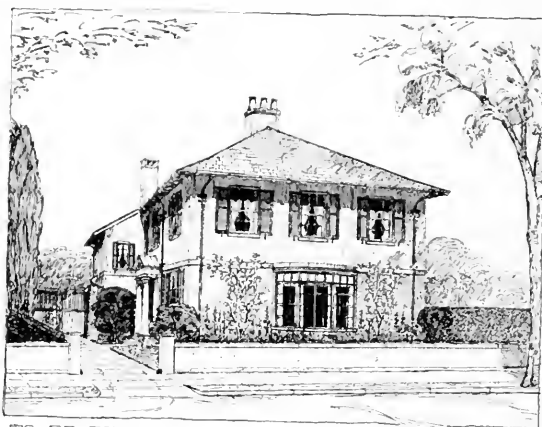


Design for a Suburban House and Garage.  
TO BE BUILT OF NATCO XXX HOLLOW TILE



Design Submitted by Clarence M. Bogie,  
5833 Washington Avenue, Philadelphia, Pa.

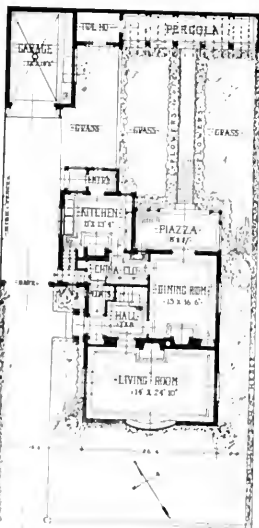
BRIDGES  
COMPETITION



USE AND GARAGE  
A SUBURBAN HOME

TO BE BUILT OF NATCO XXX HOLLOW TILE

- SUBMITTED BY -

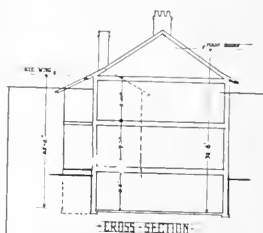


• CUBAGE •

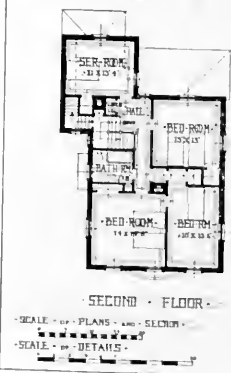
MAIN HOUSE - 26'6" X 34'6"  
= 901.50 FT. X 316' = 28381.5  
SERVICE WING - 11' X 15' = 165  
5'6" X 8' - 209" X 25'6" = 5329.5  
PIAZZA - 8' X 12' X 2' = 4.408  
ENTRY - 6'6" X 4'6" X 12' = 351  
PORCHES - AND BAYS - 150  
TOTAL - 31600.0  
GARAGE - 15'6" X 24' X 15' = 3948  
IF 11' X 24' - DR 15' X 6' KIT 11' X 15' 6"



• DETAIL OF PORCH •



• CROSS SECTION •



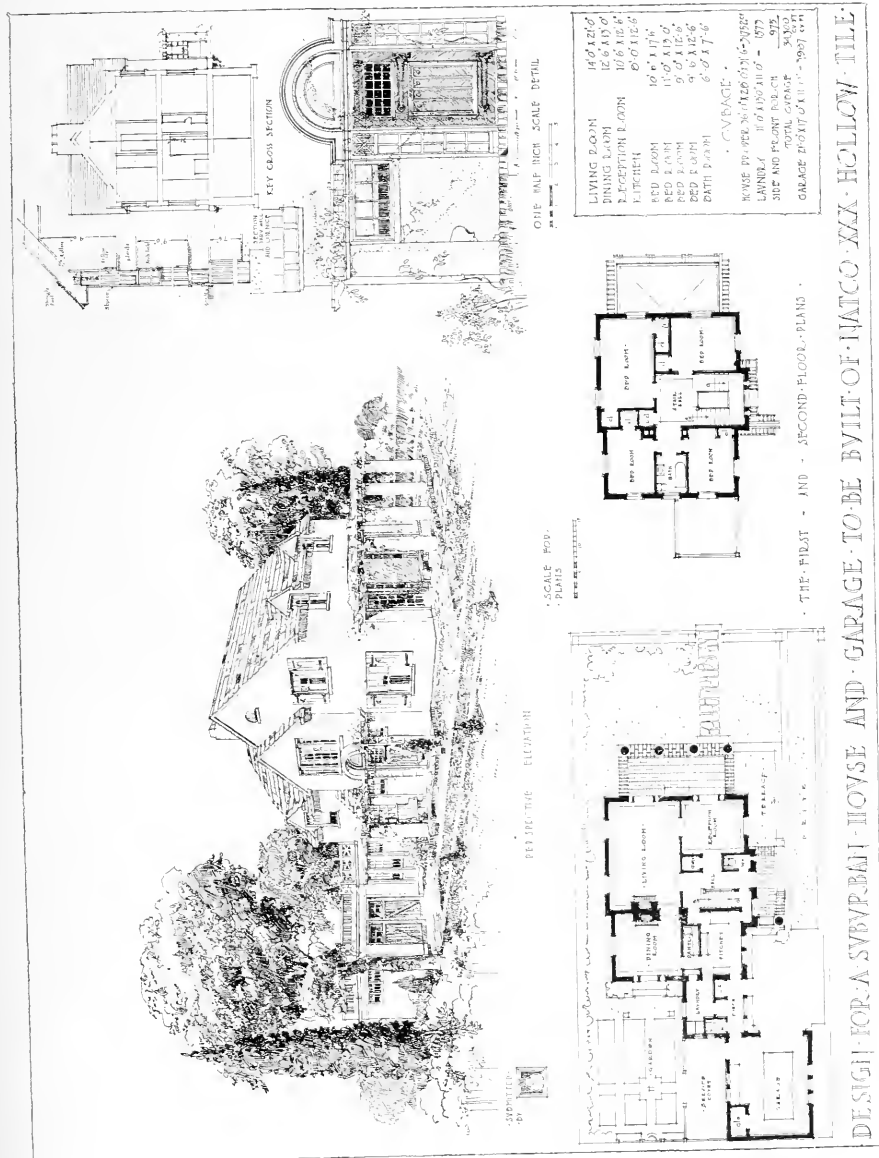
• SECOND FLOOR •

• SCALE OF PLANS AND SECTIONS •

• SCALE OF DETAILS •

Design Submitted by Charles H. Way,  
6 Beacon Street, Boston, Mass.

# THE NATCO HOUSE AND GARAGE



Design Submitted by Wilmer Bruce Rabenold,  
 Wyomissing, Pa.

# DESIGN for a SUBURBAN HOUSE & GARAGE

## To be built of NATCO XXX HOLLOW TILE

Submitted by



### Size of Rooms

First Floor

LIVING ROOM - 12'0" x 18'0"

DINING ROOM - 10'0" x 12'0"

KITCHEN - 10'0" x 12'0"

BATH - 5'0" x 7'0"

HALL - 10'0" x 12'0"

Second Floor

BED ROOM - 10'0" x 12'0"

BED ROOM - 10'0" x 12'0"

BED ROOM - 10'0" x 12'0"

BED ROOM - 10'0" x 12'0"

BED ROOM - 10'0" x 12'0"

BED ROOM - 10'0" x 12'0"

### Calculation of

Garage

Area of Floor - 1800 sq. ft.

Perimeter of Floor - 180'0"

Perimeter of Foundation - 180'0"

Perimeter of Foundation - 180'0"

Perimeter of Foundation - 180'0"

Perimeter of Foundation - 180'0"

Perimeter of Foundation - 180'0"

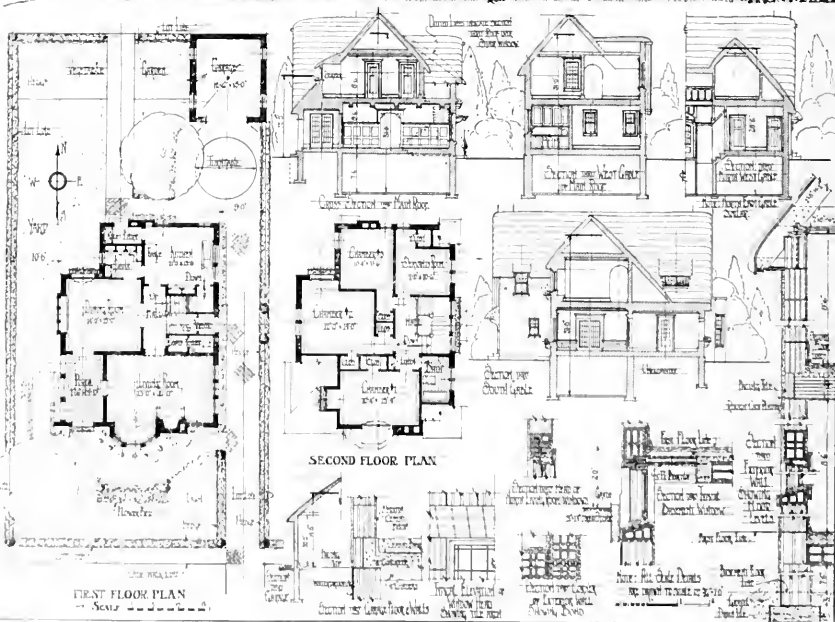
Perimeter of Foundation - 180'0"

Perimeter of Foundation - 180'0"

Perimeter of Foundation - 180'0"

Perimeter of Foundation - 180'0"

Perimeter of Foundation - 180'0"



Design Submitted by George Marko,  
92 Knapp Street, Milwaukee, Wis.

## Design for a Suburban House and Garage

### to be built of Dacia XXX Hollow Tile

**TECHNICAL CONTENTS**

|                       |                         |        |
|-----------------------|-------------------------|--------|
| CELLAR                | 20'-0" x 17'-0" x 6'-0" | 296.00 |
| BATHING               |                         | 16.74  |
| ENT. EXTENSION        |                         | 4.10   |
| PORCH                 |                         | 7.50   |
| KITCHEN CO. EXTENSION |                         | 27.5   |
| CHIMNEY               | 23'-0" x 10'-0" x 1'-0" | 90     |
| TOTAL                 |                         | 347.34 |

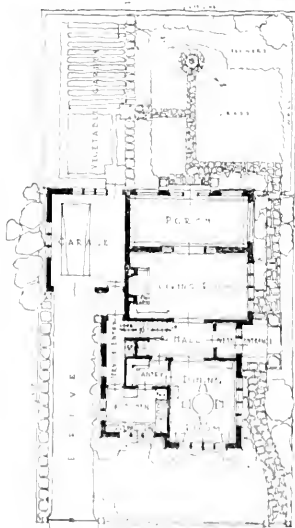
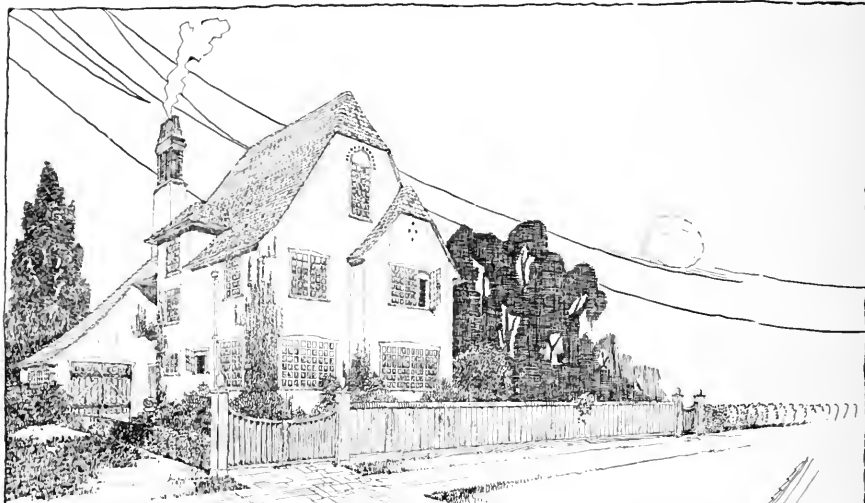
  

|            |                         |     |
|------------|-------------------------|-----|
| LIVING RM. | 14'-0" x 14'-0"         | 196 |
| DINING RM. | 12'-0" x 12'-0"         | 144 |
| HALL       | 10'-0" x 10'-0"         | 100 |
| KITCHEN    | 10'-0" x 10'-0"         | 100 |
| BATH       | 5'-0" x 5'-0"           | 25  |
| CHIMNEY    | 23'-0" x 10'-0" x 1'-0" | 90  |

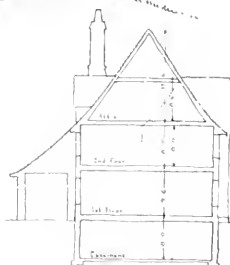
SUBMITTED BY **MRS. WILSON**

NEW YORK

# THE NATCO HOUSE AND GARAGE



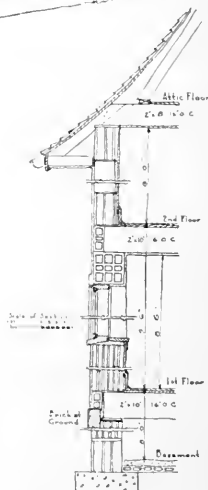
FIRST FLOOR PLAN



KEY CROSS SECTION



SECOND FLOOR PLAN



## CUMULATIVE CONTENTS

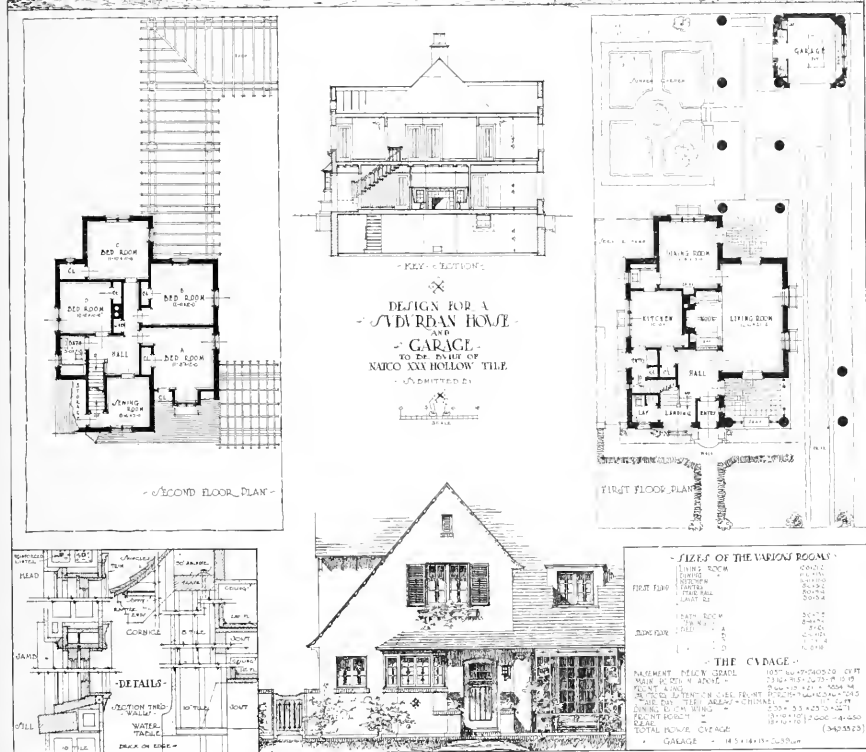
|             |                                           |
|-------------|-------------------------------------------|
| Basement    | 11' 0" x 24' 0" x 8' 0" HIGH = 2200 CU FT |
| FIRST FLOOR | 37' 0" x 14' 0" x 8' 0" = 5535 - -        |
| 2ND FLOOR   | 37' 0" x 14' 0" x 8' 0" = 5535 - -        |
| ATTIC SPACE | 12' 0" x 14' 0" x 10' 0" = 18720 - -      |
| Garage      | 15' 0" x 10' 0" x 8' 0" HIGH = 1200 CU FT |
| TOTAL ROOMS |                                           |

|             |                                           |
|-------------|-------------------------------------------|
| Basement    | 11' 0" x 24' 0" x 8' 0" HIGH = 2200 CU FT |
| FIRST FLOOR | 37' 0" x 14' 0" x 8' 0" = 5535 - -        |
| 2ND FLOOR   | 37' 0" x 14' 0" x 8' 0" = 5535 - -        |
| ATTIC SPACE | 12' 0" x 14' 0" x 10' 0" = 18720 - -      |
| Garage      | 15' 0" x 10' 0" x 8' 0" HIGH = 1200 CU FT |
| TOTAL ROOMS |                                           |

DESIGN FOR A SUBURBAN HOUSE & GARAGE  
TO BE BUILT OF NATCO XXX HOLLOW TILE

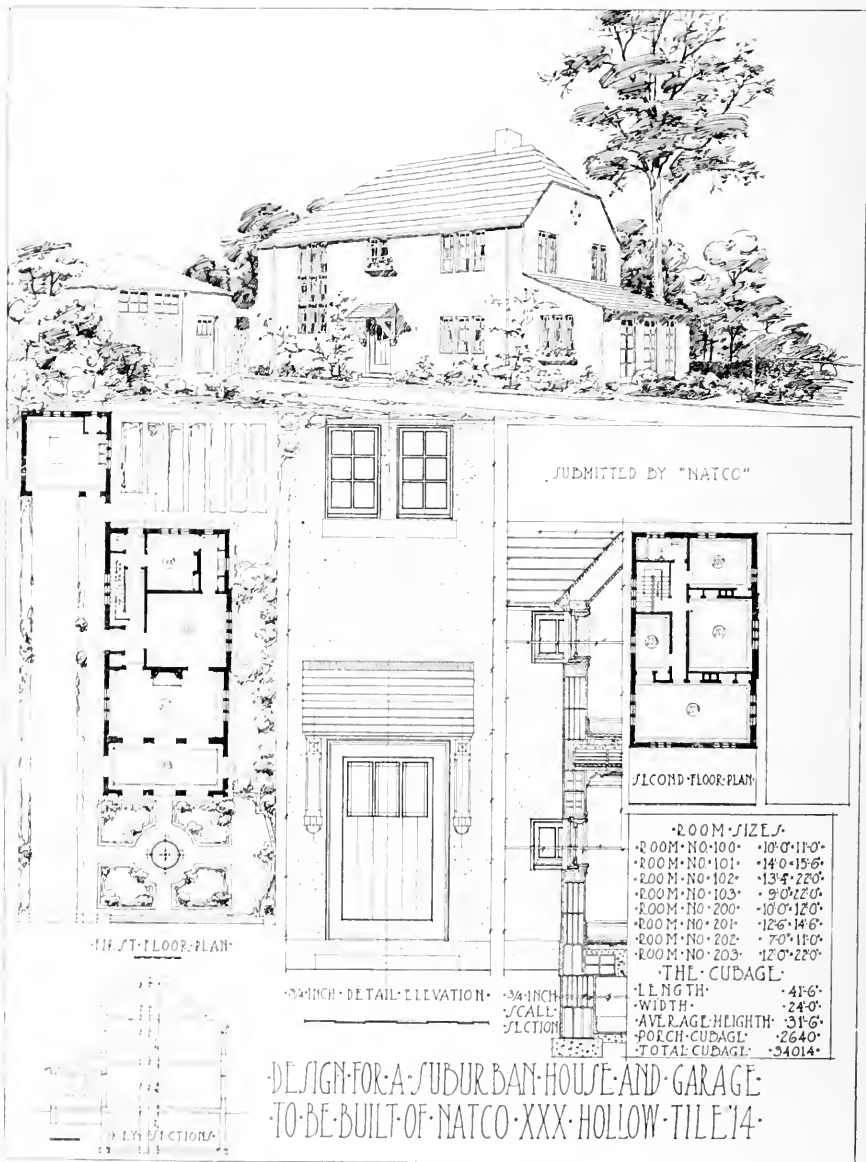
Design Submitted by Herbert A. Sullwold,  
207-208 Studio Building, St. Paul, Minn.





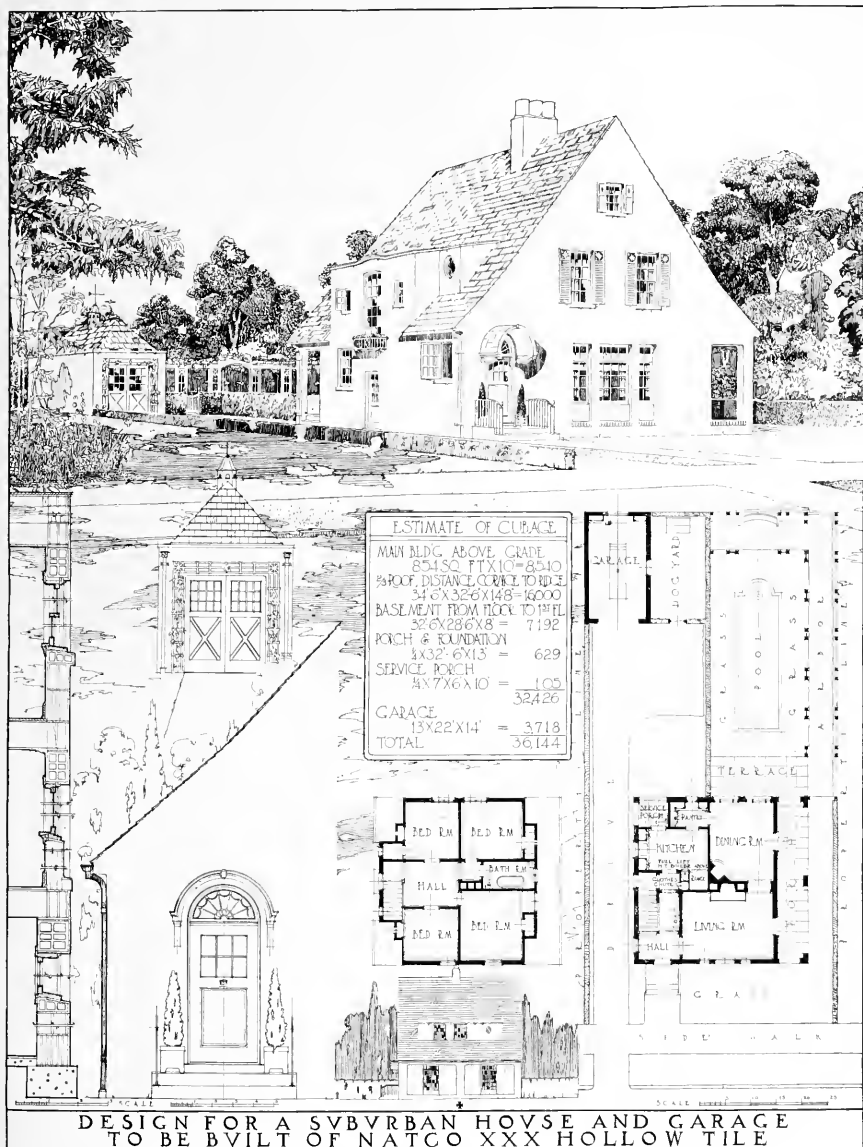
Design Submitted by Elbert J. Richmond,  
129 Church Street, New Haven, Conn.

# THE NATCO HOUSE AND GARAGE



Design Submitted by W. F. Burkhardt,  
13 West 48th Street, New York, N. Y.

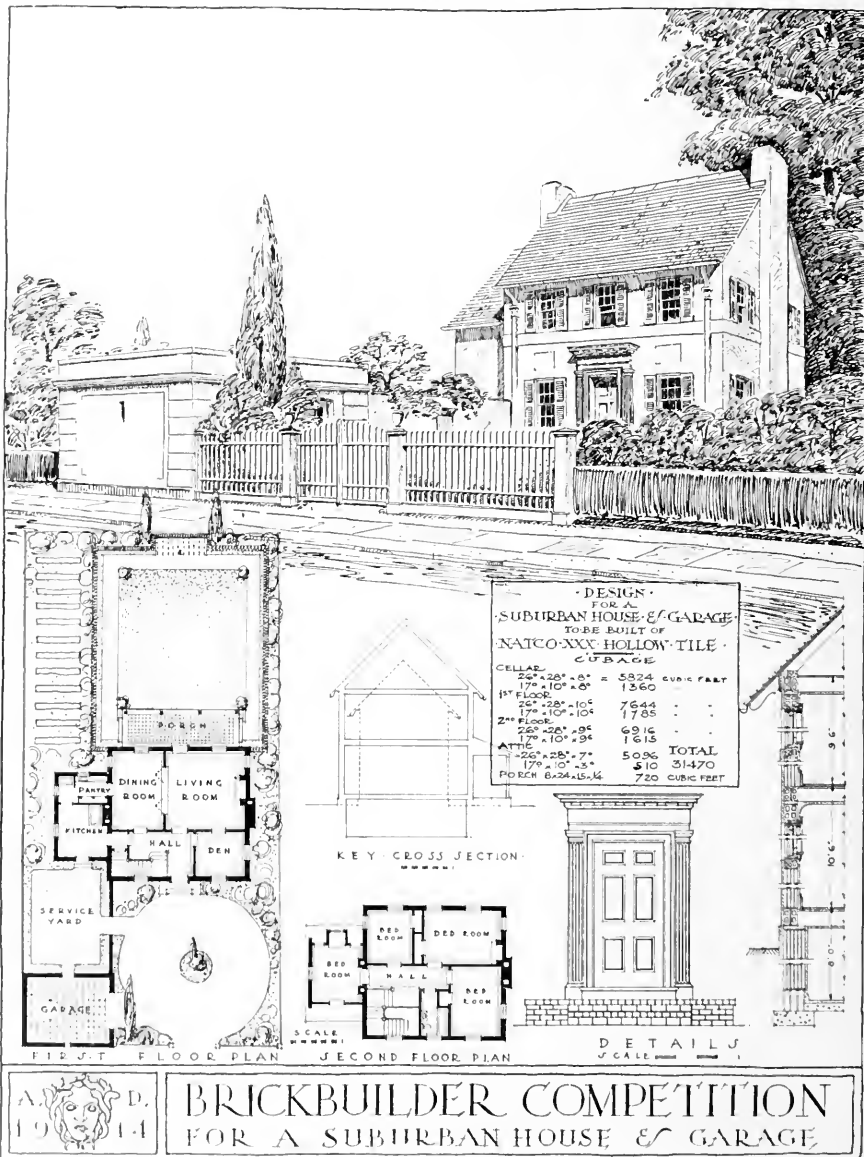
# THE NATCO HOUSE AND GARAGE



DESIGN FOR A SUBVRBAN HOUSE AND GARAGE  
TO BE BUILT OF NATCO XXX HOLLOW TILE

Design Submitted by C. A. Houghtaling and L. L. Dougan,  
507-8 Henry Building, Portland, Ore.

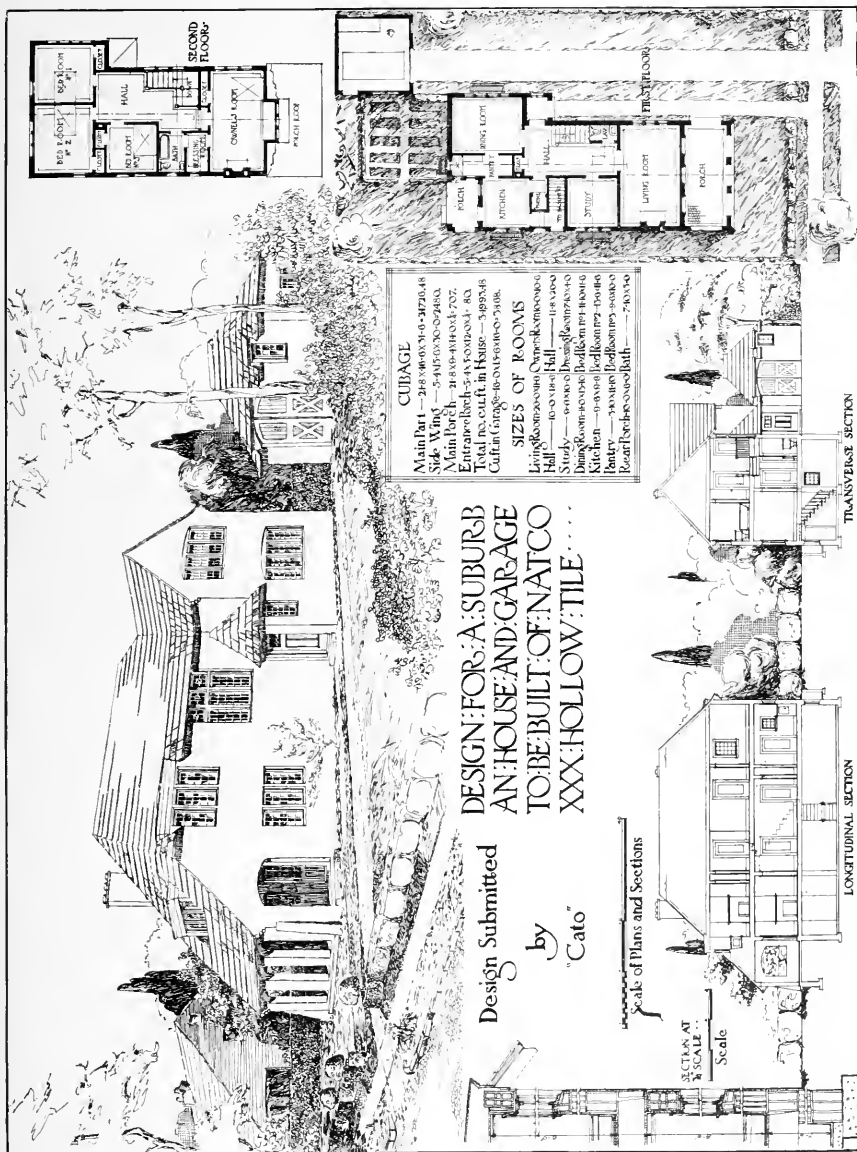
# THE NATCO HOUSE AND GARAGE



A. D.  
1914

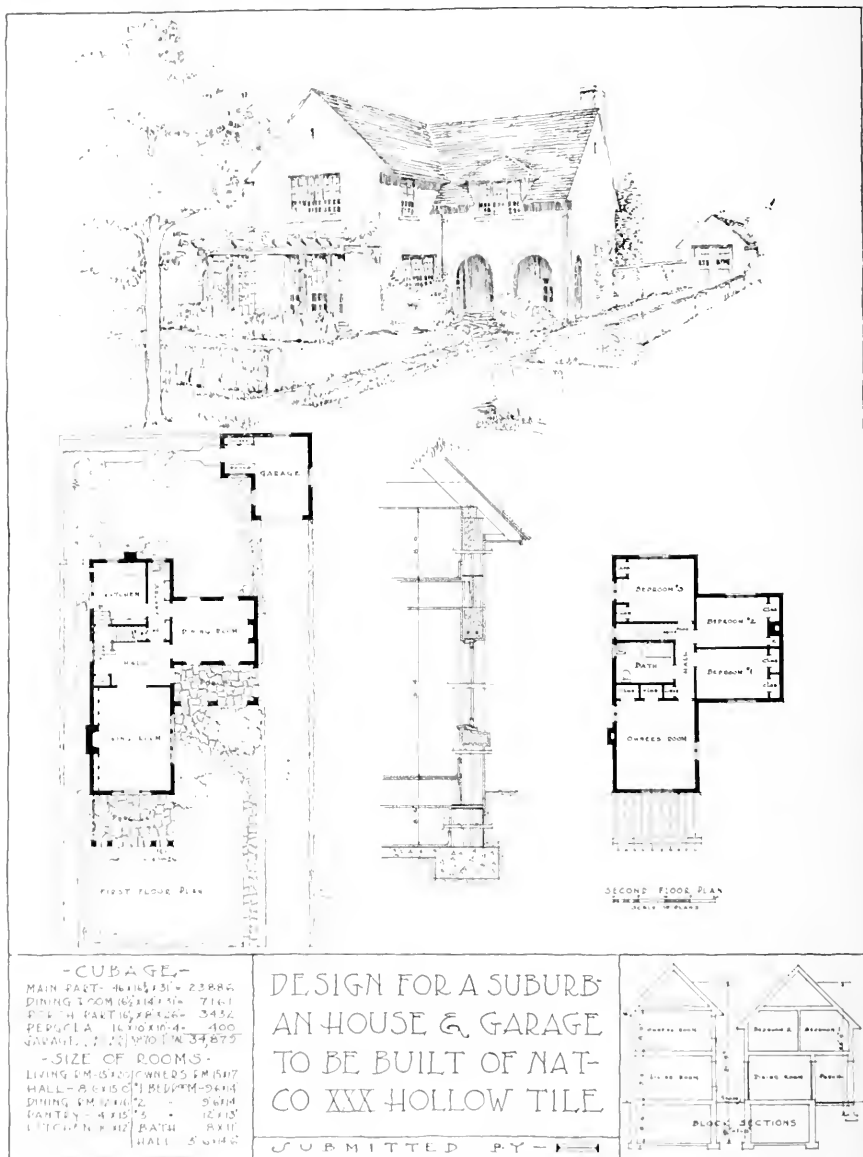
BRICKBUILDER COMPETITION  
FOR A SUBURBAN HOUSE & GARAGE

Design Submitted by Charles M. Foster,  
503 West 158th Street, New York, N. Y.

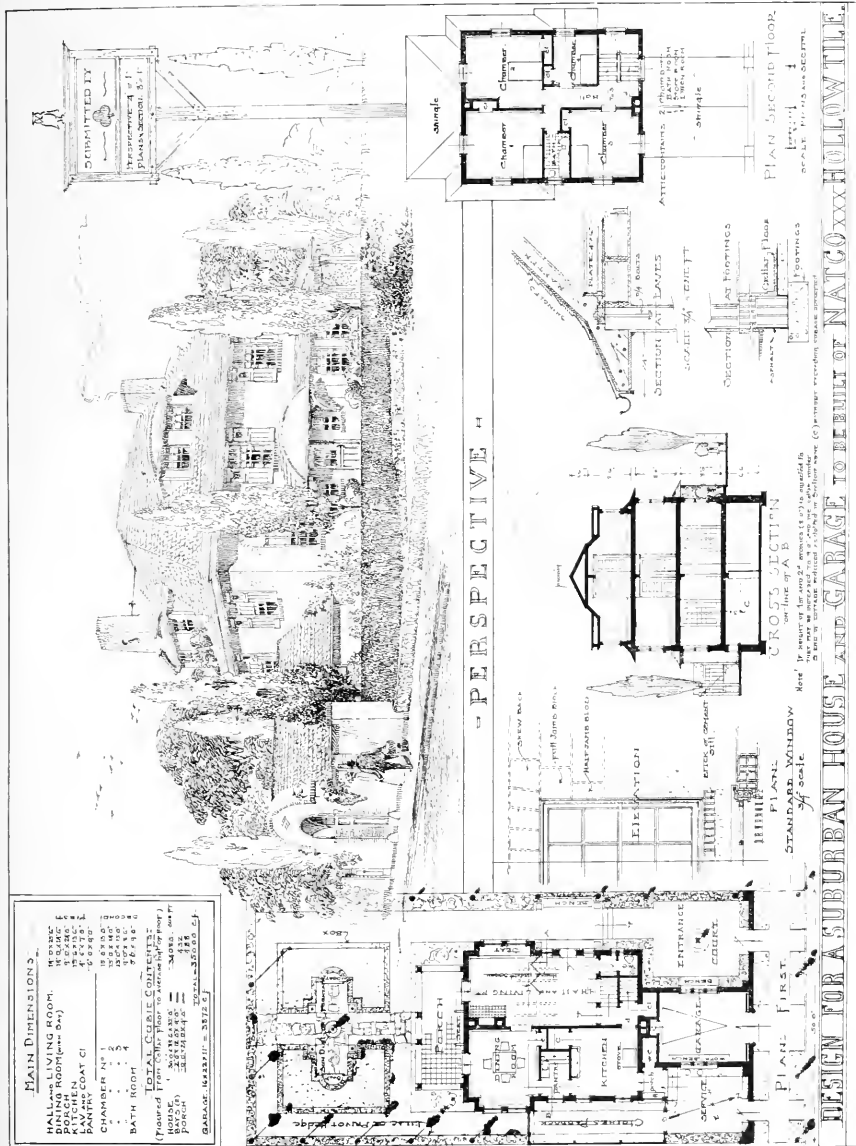


Design Submitted by Wells L. Bennett,  
 Cato, N. Y.

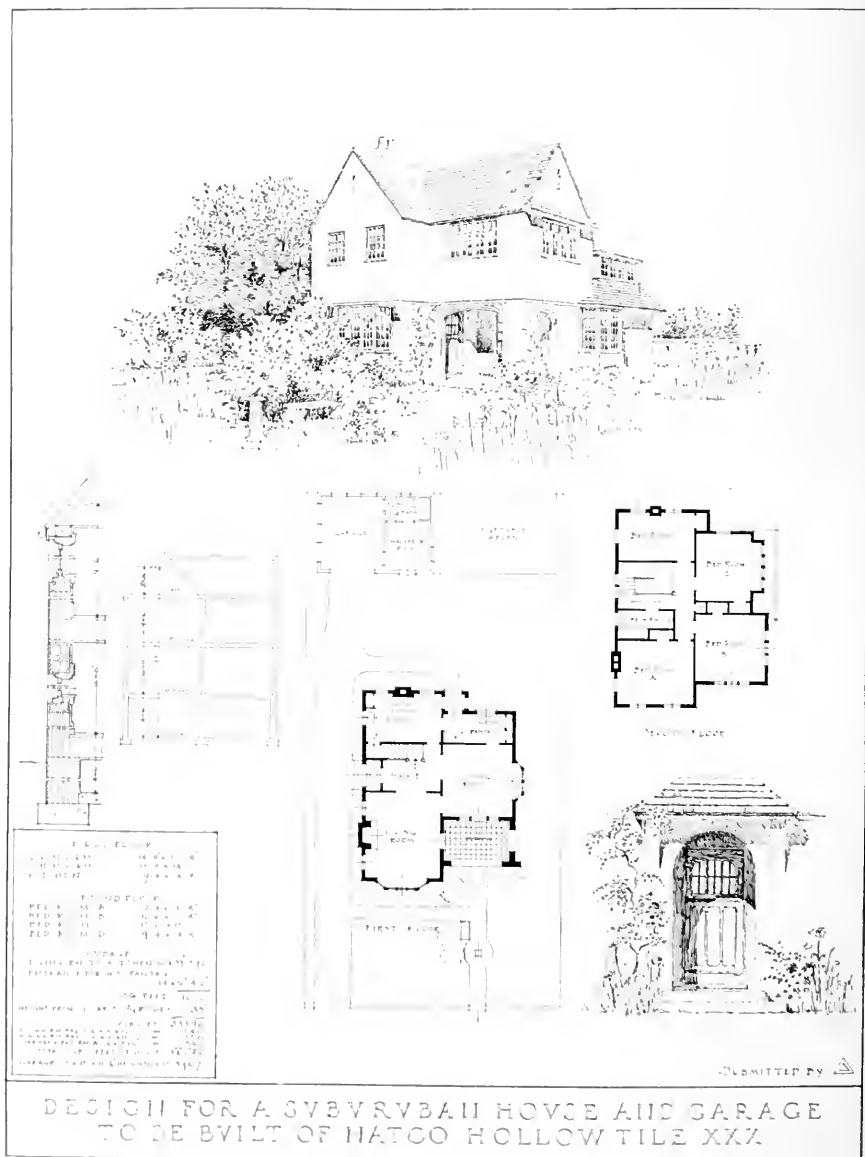
# THE NATCO HOUSE AND GARAGE



Design Submitted by P. W. Scott,  
 480 Clinton Avenue, Brooklyn, N. Y.



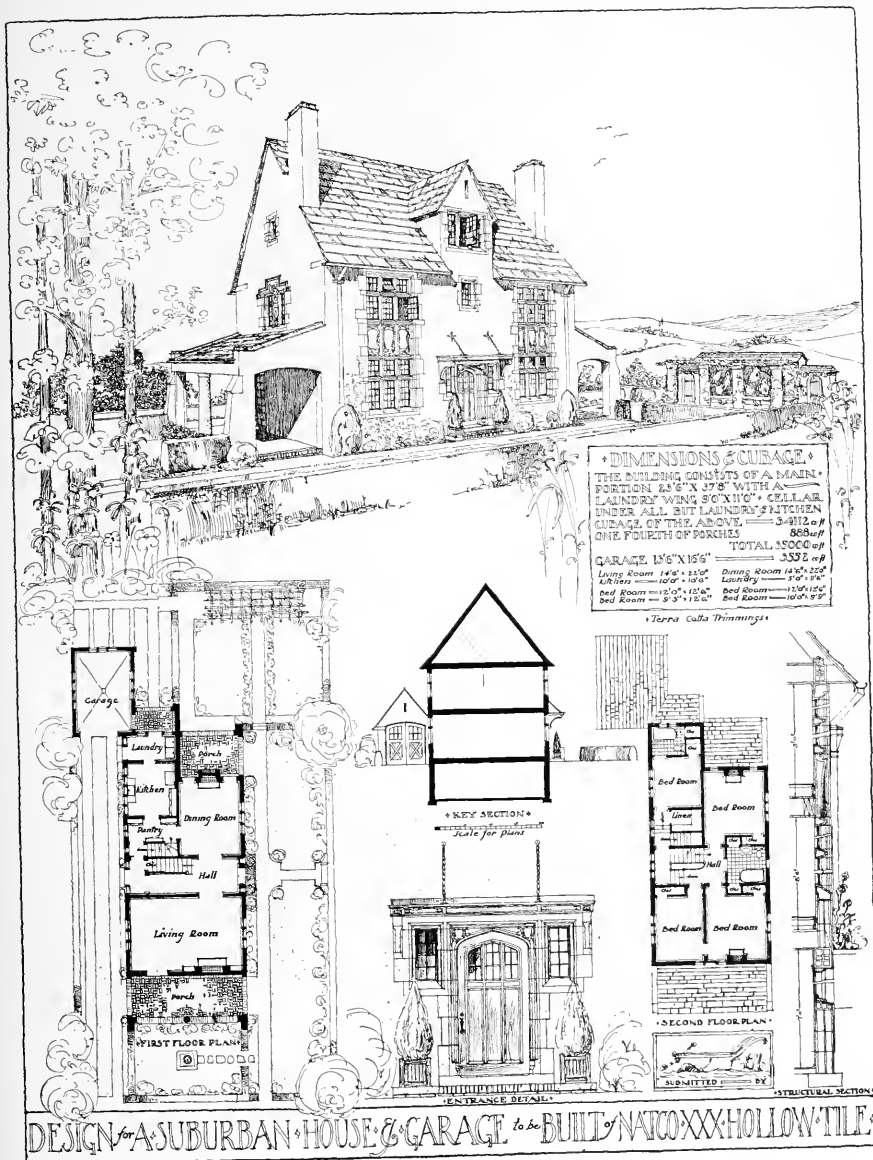
# THE NATCO HOUSE AND GARAGE



Design Submitted by Oscar J. Arnemann,  
51 Hauxhurst Avenue, Hauxhurst Park, N. J.



# THE NATCO HOUSE AND GARAGE



Design Submitted by A. C. Howard,  
 Wallingford, Pa.

The architectural drawing consists of three main parts: a perspective view of the house, a floor plan, and a section view. The perspective view shows a two-story house with a gabled roof, a chimney, and a large arched garage. The floor plan shows the layout of the house, including the garage, living room, dining room, kitchen, and bedrooms. The section view shows the vertical dimensions of the house, including the height of the rooms and the roof.

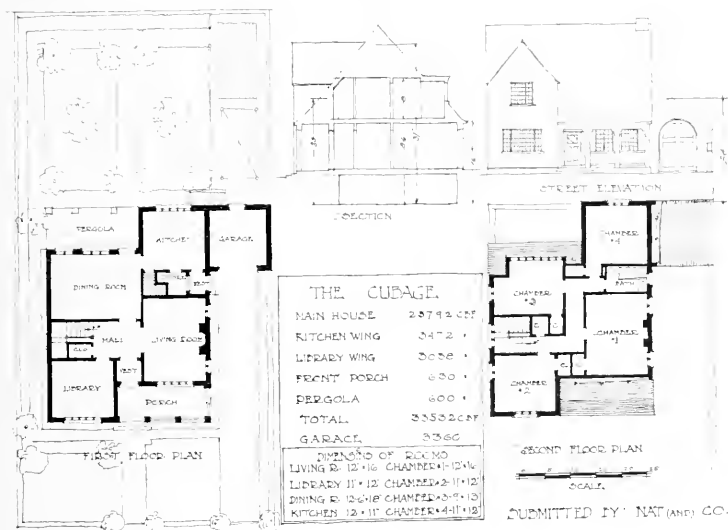
DESIGN FOR SUBURBAN HOUSE AND GARAGE  
TO BE BUILT OF NATCO-XXX-HOLLOW-TILE

40

# THE NATCO HOUSE AND GARAGE



## COMPETITION FOR A SUBURBAN HOUSE AND GARAGE TO BE BUILT OF NATCO XXX HOLLOW TILE

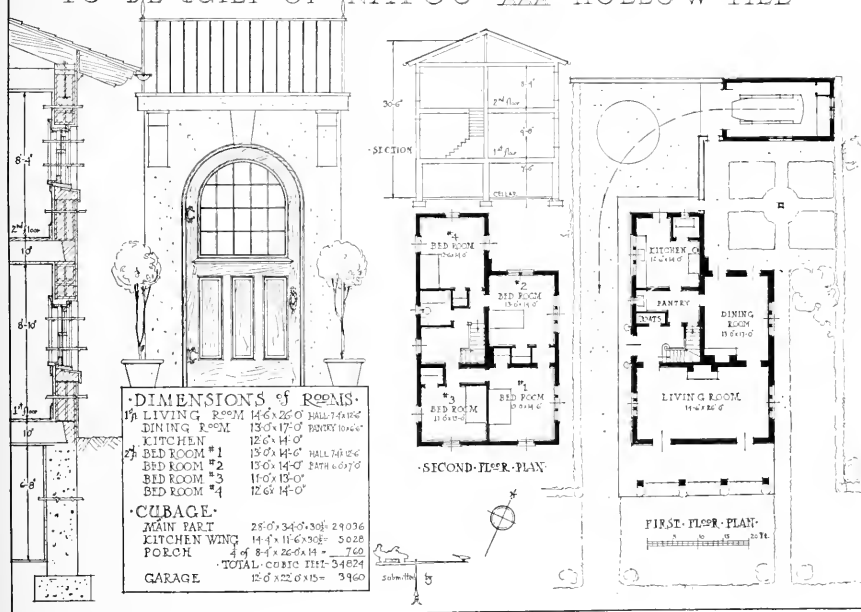


Design Submitted by O. J. Holm,  
2 West 47th Street, New York, N. Y.





DESIGN FOR A SUBURBAN HOUSE & GARAGE  
TO BE BUILT OF NATCO XXX HOLLOW TILE



Design Submitted by Robert Pallesen,  
345 Fifth Avenue, New York, N. Y.

Architectural drawing of a two-story house. The top portion is a perspective view showing a gabled roof, a front porch with columns, and a side porch. The bottom portion is a floor plan showing the layout of the house, including a front porch, living room, dining room, kitchen, bathroom, and bedroom. The drawing is labeled with dimensions and includes a title block with the following text:

DESIGN: FOP  
 ARCHITECT: FOP  
 DATE: 10-1-60  
 SCALE: 1/8" = 1'-0"

11

# THE NATCO HOUSE AND GARAGE



PERSPECTIVE

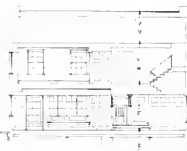
SUBMITTED BY



SIDE ELEVATION

SECTION THRO DEAR EXTENSION

GARAGE

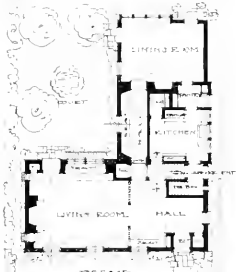


SECTION THRO MAIN PORTION

DETAIL SECTION THRO  
TYPICAL WALL



SECOND FLOOR PLAN



FIRST FLOOR PLAN

SIZES OF ROOMS AND CUBAGE

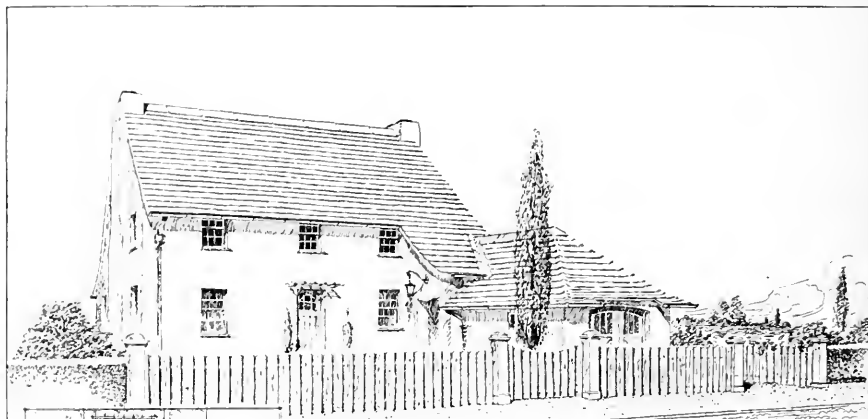
|                          |                          |
|--------------------------|--------------------------|
| LIVING ROOM<br>16' x 20' | DINING ROOM<br>12' x 16' |
| HALL<br>8' x 14'         | KITCHEN 10' x 12'        |
| BED ROOM #1<br>14' x 16' | BED ROOM #2<br>10' x 15' |
| BED ROOM #3<br>9' x 10'  | BED ROOM #4<br>9' x 14'  |

|                                       |           |
|---------------------------------------|-----------|
| MAIN PORTION<br>18' x 36' x 20' HIGH  | 16144 CUB |
| REAR EXTENSION<br>8' x 10' x 24' HIGH | 19520 CUB |
| TOTAL 1 <sup>ST</sup> FLOOR           | 35664 CUB |
| GARAGE<br>12' x 16' x 6' HIGH         | 1152 CUB  |

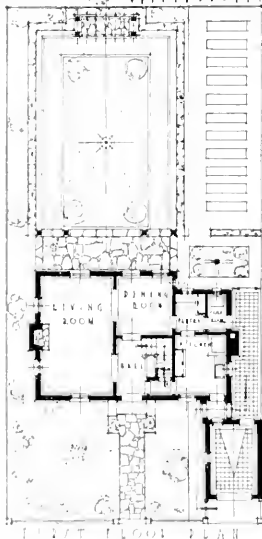
DESIGN FOR A SUBURBAN  
HOUSE AND GARAGE  
TO BE BUILT OF NATCO  
HOLLOW TILE

Design Submitted by W. S. Fessell,  
376 De Wolf Place, Hackensack, N. J.

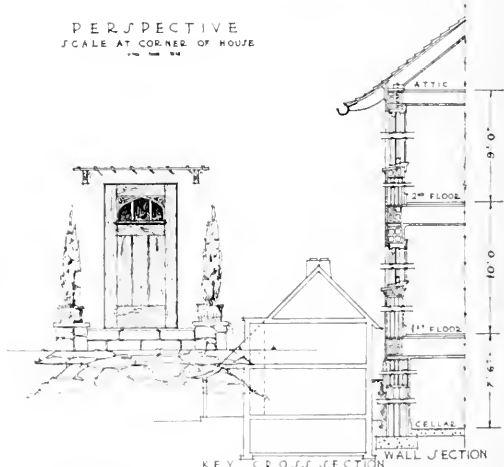
# THE NATCO HOUSE AND GARAGE



PERSPECTIVE  
SCALE AT CORNER OF HOUSE



FIRST FLOOR PLAN



KEY CROSS SECTION



SCALE OF PLANS

SECOND FLOOR PLAN

DESIGN  
FOR A  
SUBURBAN HOUSE  
AND  
GARAGE  
TO BE BUILT OF  
NATCO XXX HOLLOW TILE  
SUBMITTED BY

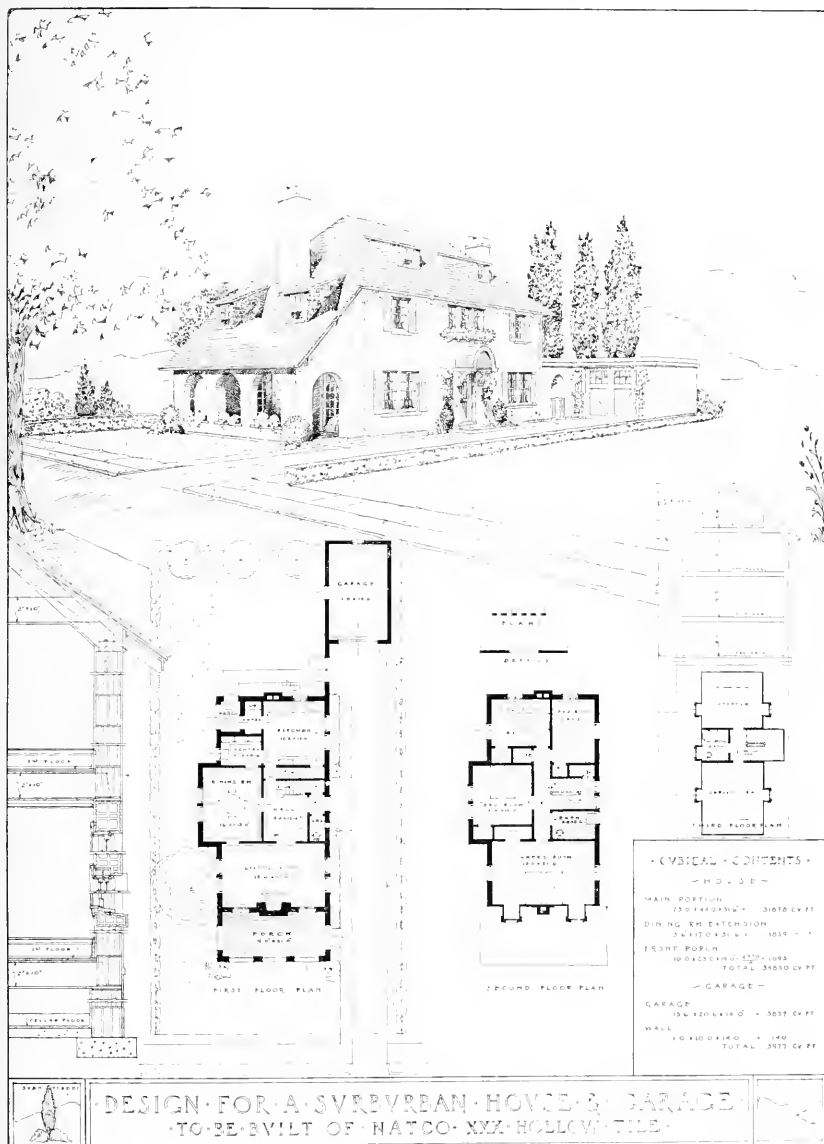
## CUBAGE

|                       |                      |       |            |
|-----------------------|----------------------|-------|------------|
| CELLAR                | 27'-25" x 7'6"       | 5156  | CUBIC FEET |
| 1 <sup>ST</sup> FLOOR | 11'6" x 21'6" x 7'6" | 1775  |            |
| 2 <sup>ND</sup> FLOOR | 27'-25" x 10'        | 6875  |            |
|                       | 11'6" x 21'6" x 10'  | 2365  |            |
| ATTIC                 | 27'-25" x 5'0"       | 2181  |            |
|                       | 11'6" x 21'6" x 9'   | 2126  |            |
| PORCH                 | 21'6" x 30'6"        | 4062  |            |
|                       | 0'6" x 20'6" x 10'6" | 560   |            |
| TOTAL CUBAGE          |                      | 29340 | CUBIC FT.  |

Design Submitted by C. M. Foster and H. M. Sohn,  
128 East 37th Street, New York, N. Y.



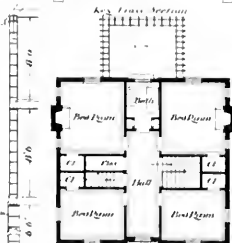
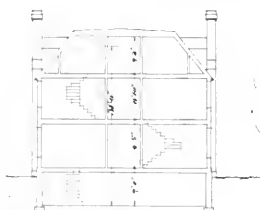
# THE NATCO HOUSE AND GARAGE



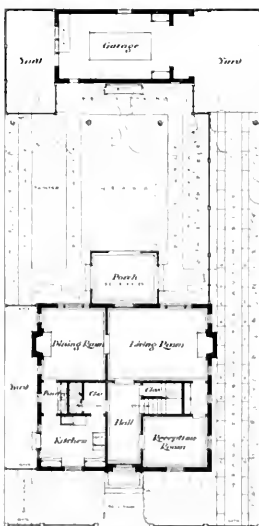
DESIGN FOR A SUBURBAN HOUSE & GARAGE  
TO BE BUILT OF NATCO XXX HOLLOW TILE

Design Submitted by A. O. Erdmann and Henry C. Hahn,  
101 Park Avenue, New York, N. Y.

DESIGN FOR A SUBURBAN HOUSE & GARAGE  
To be Built of  
NATCO XXX HOLLOW TILE



SECOND FLOOR PLAN  
Scale: 1" = 10'-0"



FIRST FLOOR PLAN



Garage Entrance Section



Elevation looking toward Garage

CUBIC CONTENTS OF BUILDINGS

House 34'0" x 32'6" x 11'0" = 31255 cu ft

Porch 8'6" x 6'3" x 11'0" = 363 cu ft

Total cubic feet 31618

Garage 11'5" x 27'0" x 11'0" = 3975 cu ft

SIZES OF THE VARIOUS ROOMS

Entrance Hall 6'6" x 12'9"

Reception Room 12'6" x 16'0"

Dining Room 11'6" x 16'0"

Kitchen 12'6" x 11'6"

Bath 5'0" x 7'0"

Second Floor Hall 6'6" x 12'0"

Two Bed Rooms 12'6" x 11'6"

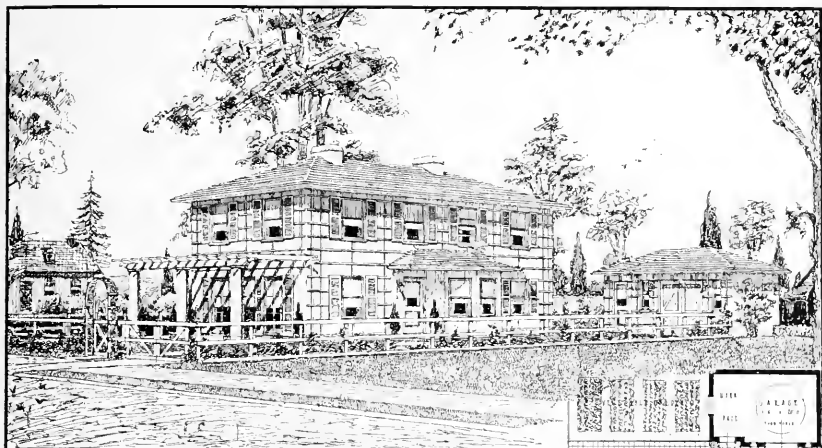
Two Bed Rooms 10'6" x 12'0"

Bath Room 6'6" x 7'0"

SUBMITTED  
By  
CHANCE  
June 30, 1918

Design Submitted by Alfred Cookman Cass,  
77 Washington Place, New York, N. Y.

# THE NATCO HOUSE AND GARAGE

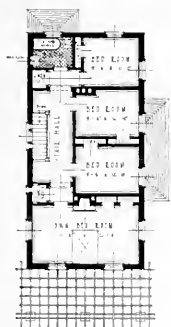


· PERSPECTIVE · VIEW ·

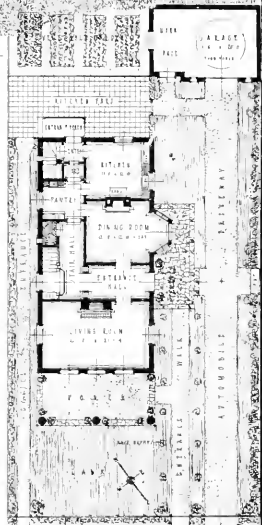
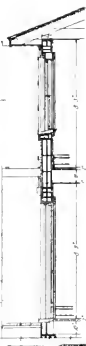
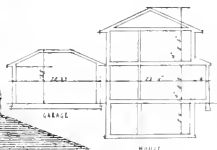
· CUBICAL CONTENTS ·

|                 |                           |       |
|-----------------|---------------------------|-------|
| MAIN BUILDING   | 25'4 5/8" x 30' =         | 30030 |
| TERRACE AND BAY | 25'4 5/8" x 20'11" =      | 880   |
| PERGOLA         | 14'10" x 25'4 5/8" =      | 433   |
| SERVICE PORCH   | 14'4" x 8'4 1/2" =        | 93    |
| GARAGE          | 14'9" x 20'3 1/2" x 13' = | 3809  |
| TOTAL CUBAGE    | =                         | 35445 |

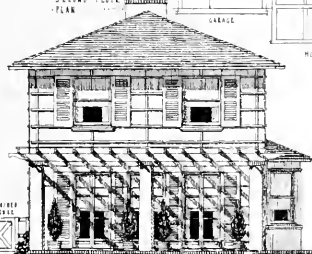
· SUBMITTED BY ·  
· LOVMAX ·



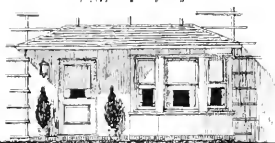
· SECOND FLOOR ·  
· PLAN ·



· FIRST FLOOR ·  
· PLAN ·



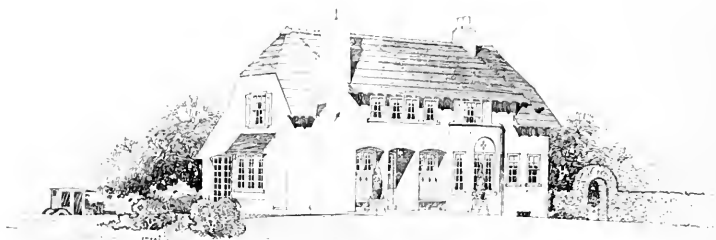
NOTE NO RED  
WOOD PLANT



· · · DESIGN · FOR · HOUSE · AND · GARAGE · BUILT · · ·  
· · · OF · NATCO · XXX · TERRA · COTTA · TILE · ■ · ·

Design Submitted by Maximilian R. Jahnke,  
Narberth, Pa.

# THE NATCO HOUSE AND GARAGE



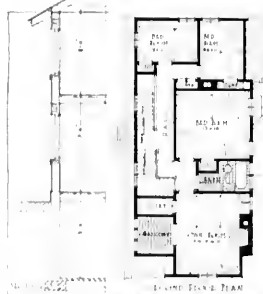
## CUBAGE.

OUTSIDE DIMENSIONS OF HOUSE  
23'-0" X 50'-0" EQUALS 1150.00 SQ. FT.  
AVERAGE HEIGHT OF HOUSE  
FROM BASEMENT FLOOR 30'-0"  
TERRACE CONTAINS 150.00 SQ. FT.  
TOTAL CUBAGE OF HOUSE EQUALS  
34,550 CUBIC FEET.

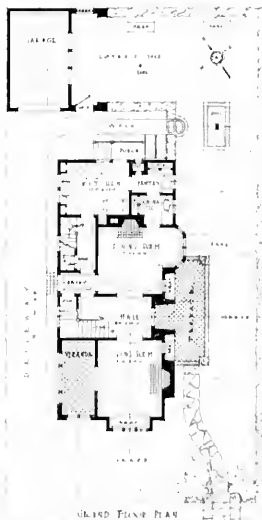
GARAGE CONTAINS 4,000 CU. FT.

SCALE OF PLANS

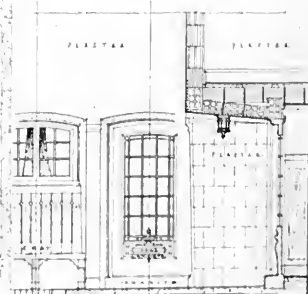
SCALE OF DETAILS



FIRST FLOOR PLAN



SECOND FLOOR PLAN



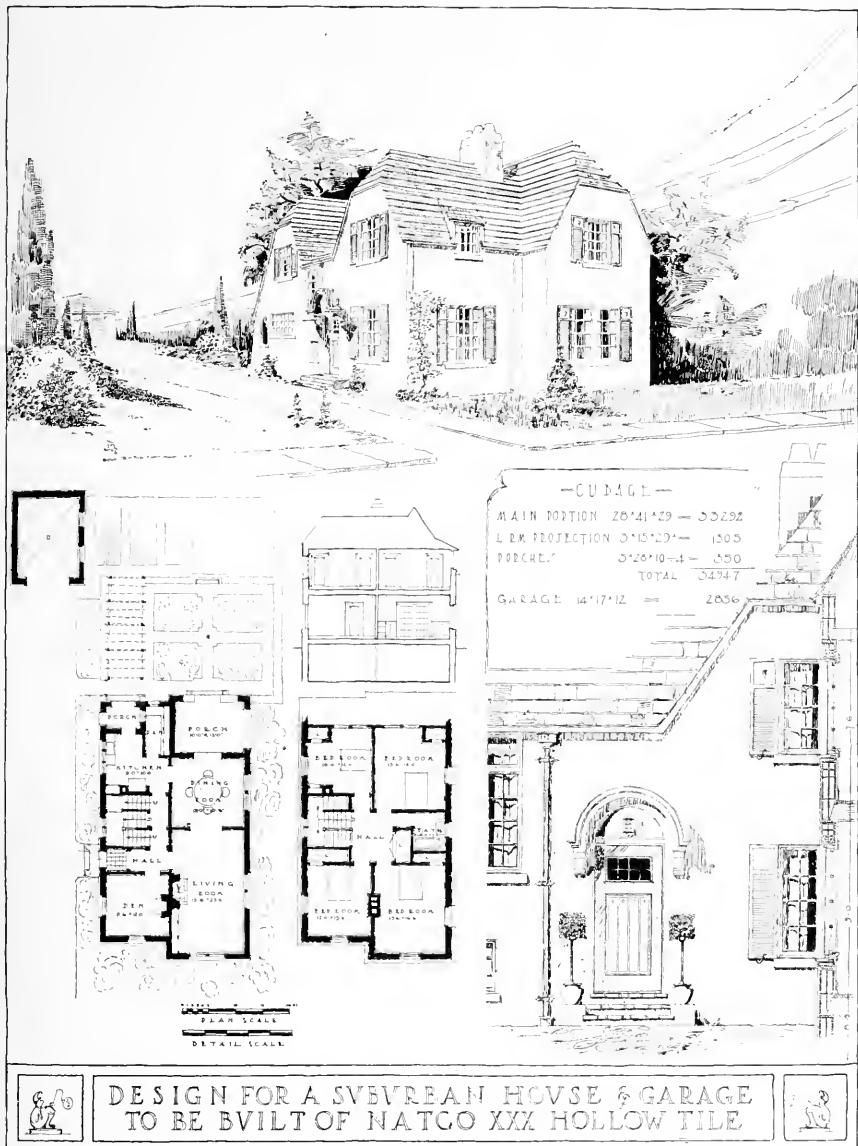
DESIGN FOR A SUBURBAN HOUSE AND GARAGE

TO BE BUILT BY NATCO XXX  
FOLLOW TITLE



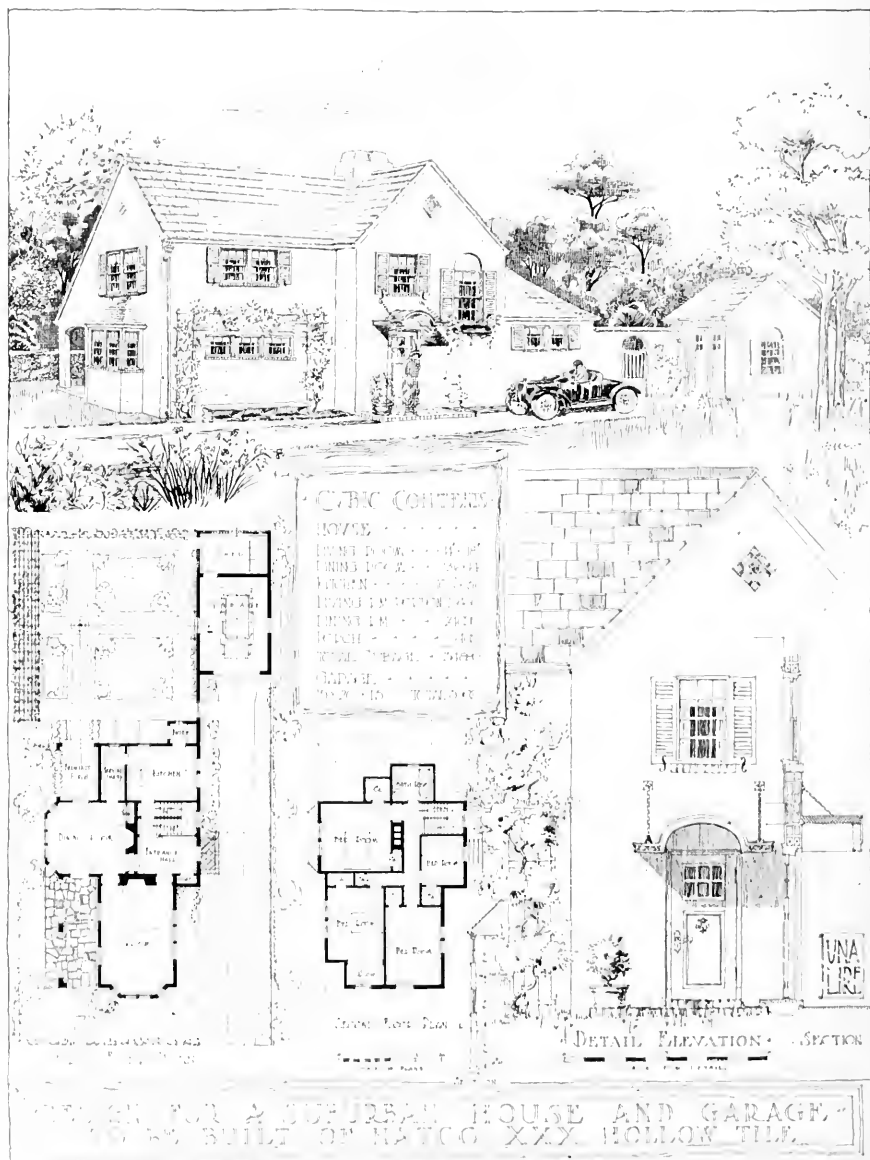
Design Submitted by Clarence B. Hall,  
93 Federal Street, Boston, Mass.

# THE NATCO HOUSE AND GARAGE

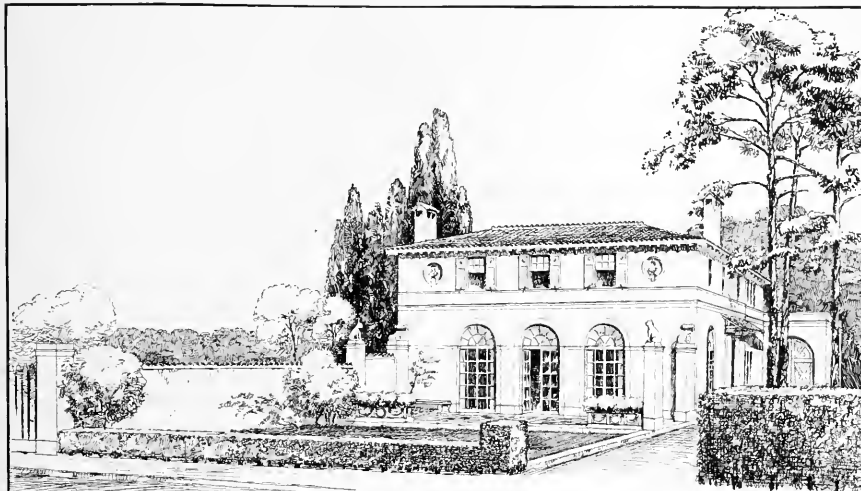


Design Submitted by Henry W. Fox,  
510 Minot Building, Boston, Mass.

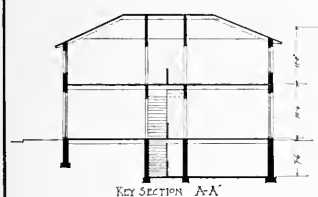
# THE NATCO HOUSE AND GARAGE



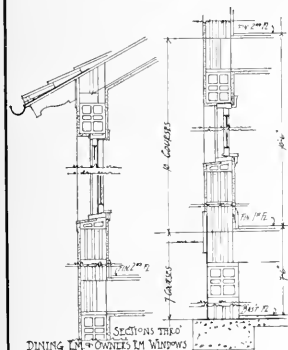
Design Submitted by Meade, Blount & McLaughlin,  
14 Bromfield Street, Boston, Mass.



DESIGN FOR A SUBURBAN HOUSE & GARAGE TO BE BUILT OF NATCO XXX HOLLOW TILE



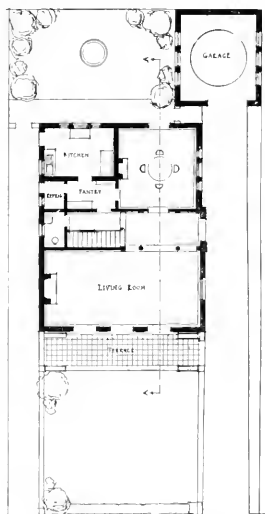
KEY SECTION A-A



SUBMITTED BY  
TEMPUS



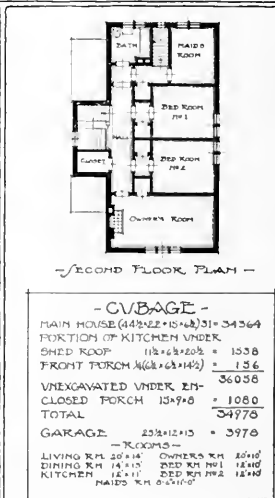
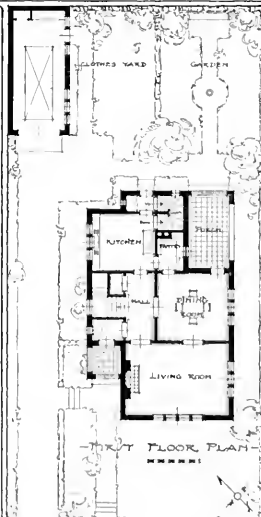
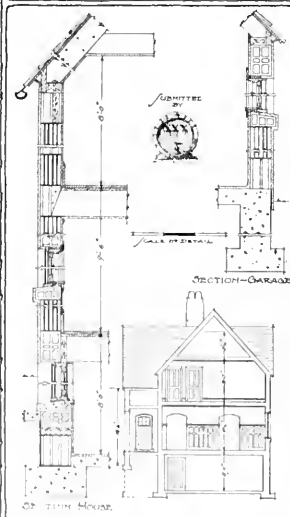
CUDAGE  
CELLAR 800 SQ. FT. x 7'6" STORY = 6000 CU. FT.  
NOTE: PORTION OF CELLAR UNDER  
LIVING RM. IS NOT EXCAVATED  
1<sup>ST</sup> STORY 1353 SQ. FT. x 8'4" STORY = 11264  
2<sup>ND</sup> STORY 1177 SQ. FT. x 11'6" = 12997  
NOTE: 11'6" IS THE AV. HEIGHT OF ROOFS  
TOTAL CUDAGE OF HOUSE  
IS 33153 CUBIC FT.  
THE GARAGE OF GARAGE IS 3076 CU. FT.



SCALE OF FEET FOR PLANS & SECTION A-A

Design Submitted by L. P. Burnham,  
51 Madison Avenue, New York, N. Y.

# THE NATCO HOUSE AND GARAGE



DISCLOSURE: VERNAL HOUSE & GARAGE TO BE BUILT OF NATCO XXX HOLLOW TILE

Design Submitted by P. K. Andrews and F. A. Chandler,  
19 Saint Stephen Street, Boston, Mass.

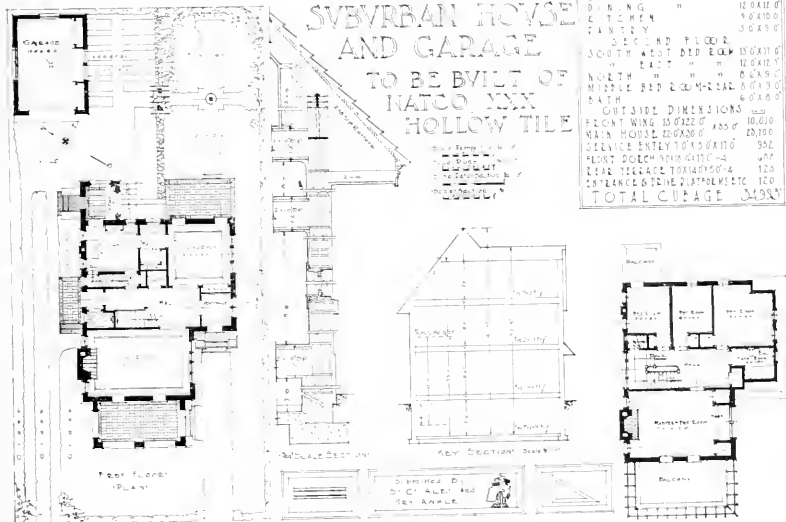


# THE NATCO HOUSE AND GARAGE



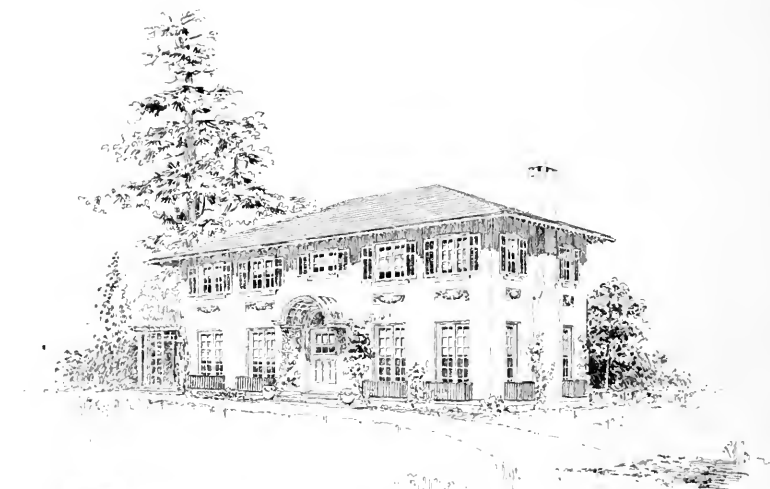
## DESIGN FOR A SUBURBAN HOUSE AND GARAGE TO BE BUILT OF NATCO XXX HOLLOW TILE

| CUBAGE SCHEDULE    |               |
|--------------------|---------------|
| FIRST FLOOR        |               |
| LIVING ROOM        | 15'0" x 20'0" |
| DINING "           | 12'0" x 12'0" |
| KITCHEN "          | 9'0" x 10'0"  |
| PANTRY "           | 5'0" x 5'0"   |
| SECOND FLOOR       |               |
| SOUTH BED ROOM     | 10'0" x 12'0" |
| " "                | 12'0" x 12'0" |
| NORTH " "          | 8'0" x 8'0"   |
| MIDDLE BED ROOM    | 8'0" x 10'0"  |
| BATH               | 6'0" x 8'0"   |
| OUTSIDE DIMENSIONS |               |
| FRONT WING         | 15'0" x 22'0" |
| MAIN HOUSE         | 12'0" x 20'0" |
| SERVICE ENTRY      | 10'0" x 5'0"  |
| PLANT DOOR         | 10'0" x 4'0"  |
| REAR PORCH         | 10'0" x 15'0" |
| ENTRANCE           | 12'0" x 12'0" |
| TOTAL CUBAGE       |               |

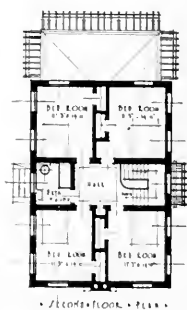
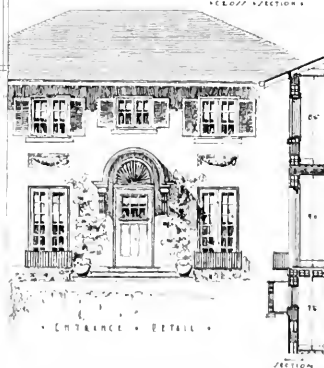
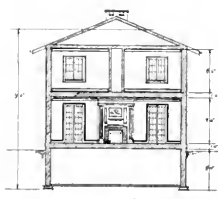
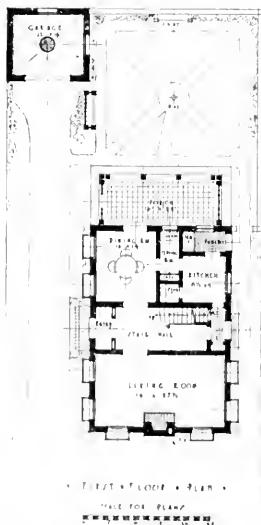


Design Submitted by Howard S. Patterson and J. Walter Ketterer,  
200 Claremont Avenue, New York, N. Y.

# THE NATCO HOUSE AND GARAGE



SUPPLIER - -



## CUBAGE

### HOUSE

MAIN BUILDING - 27' x 40' 0" = 1,080 S.F.  
 BASEMENT FLOOR TO GRADE HL. 8'00" = 31 S.F.  
 PORCH (24' x 10' 6") = 252 S.F.  
 TOTAL = 1,362 S.F.

### GARAGE

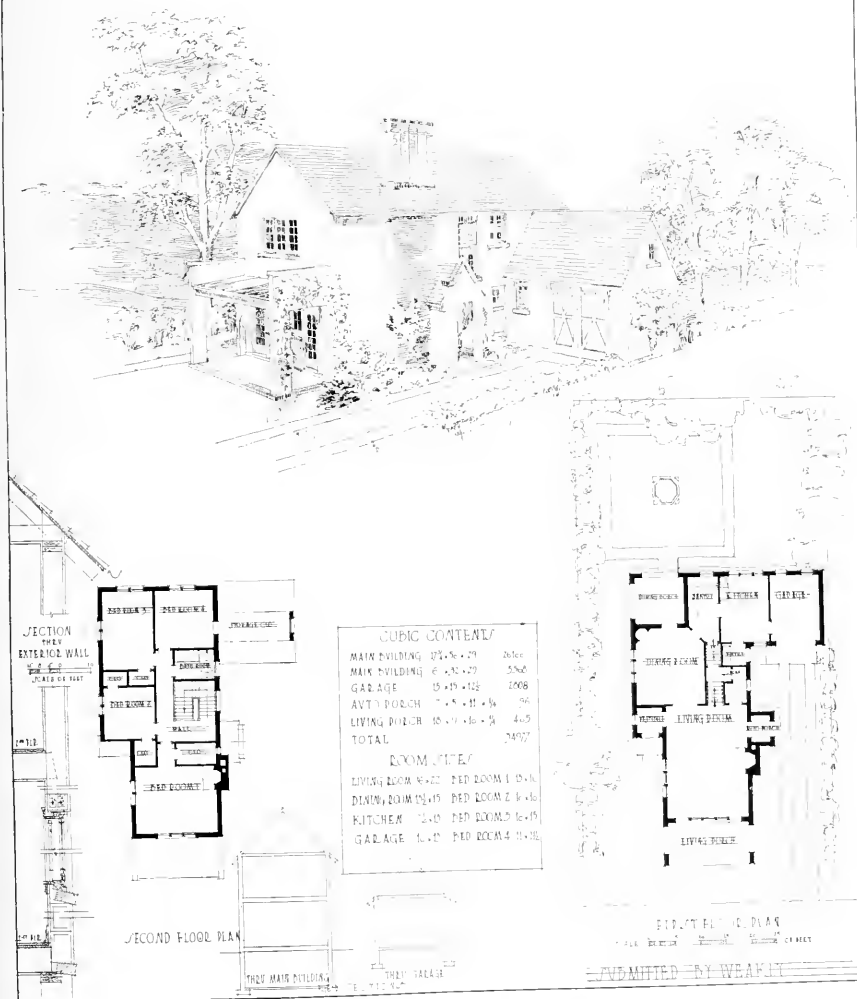
24' x 16' 6" (STRAIGHT) = 396 S.F.

DESIGN FOR A SUBURBAN HOUSE & GARAGE TO BE BUILT OF NATCO XXX HOLLOW TILE

Design Submitted by Arthur E. Middlehurst,  
 1108 Pythian Building, Indianapolis, Ind.

# THE NATCO HOUSE AND GARAGE

## DESIGN FOR A SUBURBAN HOUSE AND GARAGE TO BE BUILT OF NATCO XXX HOLLOW TILE



Design Submitted by C. A. Erikson,  
111 South Scoville Avenue, Oak Park, Ill.

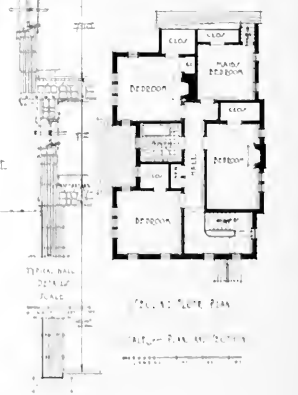
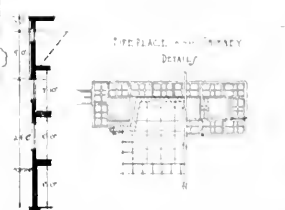
# THE NATCO HOUSE AND GARAGE



| CUBAGE                                  |        |
|-----------------------------------------|--------|
| MAIN HOUSE - 26'3" x 6'0" x 4' -        | 52,350 |
| PROJECTION - LIVING ROOM 17' x 22'24" - | 328    |
| REAR PORCH (W.C.) 7'6" x 11'15" -       | 1608   |
| PROJECTION - SECOND FLOOR 14' x 10' -   | 364    |
| FRONT PORCH 6'4" x 10' - 4' -           | 60     |
| TOTAL C.F.                              | 54,960 |
| GARAGE 15'20" x 15' -                   | 3,900  |
| SIZE OF ROOMS                           |        |
| LIVING ROOM 17'6" x 20'0"               |        |
| STUDY - 12'0" x 12'4"                   |        |
| DINING ROOM - 12'0" x 12'4"             |        |
| KITCHEN 10'6" x 8'6"                    |        |
| BEDROOM - 12'4" x 12'6"                 |        |
| BEDROOM - 12'4" x 12'6"                 |        |
| BEDROOM - 12'4" x 12'6"                 |        |
| BEDROOM - 12'4" x 12'6"                 |        |
| BEDROOM - 12'4" x 12'6"                 |        |
| BEDROOM - 12'4" x 12'6"                 |        |

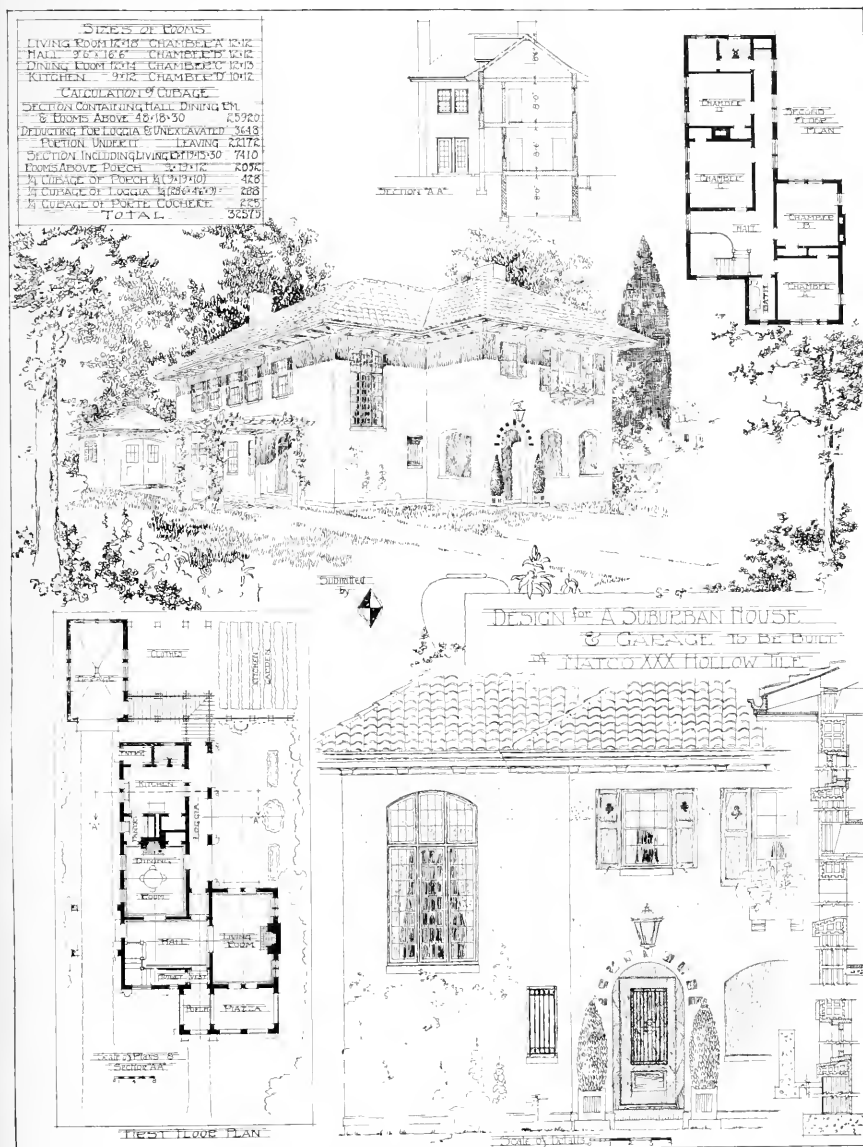


DESIGN OF A GARDEN  
HOUSE  
AND A GARAGE.  
TO BE BUILT OF NATCO XXXX HOLLOW TILE.



Design Submitted by P. Donald Horgan,  
14 Kilby Street, Boston, Mass.

# THE NATCO HOUSE AND GARAGE



Design Submitted by W. Sanford Full,  
 46 Cornhill, Boston, Mass.

[illegible]

60

**O**N the following  
pages there are  
shown a number of  
attractive Suburban  
Houses with Garages  
that have been built of  
Natco Hollow Tile.

# Description of Natco Hollow Tile Houses and Garages

(Illustrated on following pages)

## HOUSE AND GARAGE AT MIDDLETOWN, N. J.,

Page 65

Ernest A. Arend, Architect

**T**HE exterior walls of this house are of Natco Hollow Tile finished with stucco on the outside. The stucco is a cream white and the tile roof is red, making a very satisfying combination.

There are two stories with an air space beneath the roof. The first story is ten feet high and the second is nine feet. The living room is finished in quartered oak with a beamed ceiling and a brick-faced fireplace. The porch is enclosed by glass for winter use and is furnished with radiation. The dining room is finished in white enamel with mahogany doors.

The service portion is finished in gray enamel. The second floor has white enamel finish except the servants' rooms where gray stain has been used on cypress.

The garage in the rear is also built of Natco Hollow Tile with stucco finish.

## HOUSE AND GARAGE AT FLUSHING, LONG ISLAND, N. Y.,

Page 66, 67

Donn Barber, Architect

**B**BRICK has been used in this house as an embellishment for the stucco finish.

Used for the sills and arched heads of the windows and to outline the arches of the porch and porte-cochere, it forms a delightful accenting note of color. The chimneys are also interesting in the use of special shapes of brick.

The exterior walls of the house and also of the garage are of Natco Hollow Tile.

The plan has been well arranged so that the doctor's suite in the rear of the house has a separate entrance, which makes that portion independent of the rest.

## HOUSE AND GARAGE AT CHICAGO, ILL.,

Page 68, 69

George W. Maher, Architect

**T**HIS building includes under one roof the residence proper, separate servants' quarters, and the garage. The part for the use of the owner as a dwelling is on the first and second floors, the second story being reached by a spacious hall and stairway, which is one of the features of the interior. The servants' quarters are on the first floor and in the rear of the garage and yet are entirely separate from the main part of the house. The garage is reached from the main hall so that one may enter the house directly by automobile. The garage is so designed that it forms an integral part of the scheme of the whole building, not obtruding itself as a detached unit. This treatment of the three parts, each separate and distinct, yet closely related, has resulted in a very convenient arrangement.

The walls of the house are constructed of Natco Hollow Tile, the outside of which is covered with a surface of cement finished to present a smooth white marble effect. The quoins at the corners are stone. The roof is covered with a dull flat vitrified green tile.

The interior of the house proper is finished in dull white enamel and mahogany.

## HOUSE AND GARAGE AT OAK PARK, ILL.,

Page 70, 71

John S. Van Bergen, Architect

**T**HE interesting design of this house follows a style which has been developed in and around Chicago in the last few years. The walls are of Natco Hollow Tile finished on the outside with cement plaster of two colors, a dark buff color



being used in the recessed panels to accentuate the corners. The window sills, cornices and panel strips are rough cypress stained brown.

While the roof is flat and is only covered with a tar and gravel composition the house has been made very cool by allowing the second-story rooms to ventilate into the small attic space and then this space in turn ventilate into the open.

Because of the height of the building on the adjoining lot this house has been placed on a rather high terrace. The approach has been broken by two series of steps with flower boxes which gives something of a retiring appearance.

The stair and hall are well lighted from a large skylight directly overhead which also lights other parts of the first floor. At the end of the living room is a large fireplace with seats on either side, an effect which gives a welcoming appearance as one enters the house. The porch is reached through French windows.

The living room is finished in deep mahogany with soft gray walls. The dining room and breakfast room are in light gray birch with blue gray walls.

In the rear is a double garage which is quite in keeping with the house both in design and color.

#### HOUSE AND GARAGE AT EDGEWATER PARK, N. J.,

Page 72

J. Fletcher Street, Architect

**T**HE design of this picturesque house was inspired by the precedents found in the Dutch Colonial work which makes it appropriate for its geographical location.

The stucco is on Natco Hollow Tile and has been given an interesting texture by having been rough cast. The open porch and the terrace are paved with brick while the steps leading to the driveway are also of brick.

The interior finish is Colonial in character, white paint being used on the trim with mahogany stained birch for the doors and stairs. The living room fireplace is brick while that in the library is of tile.

The garage is stucco finished and is of similar design to the house.

#### HOUSE AND GARAGE AT PALISADE, N. J.,

Page 73

Granville W. Dexter, Architect

**I**N the design of this house red tiles have been carefully used to relieve the cream colored stucco. This finish of stucco is on walls of Natco Hollow Tile while the foundations are of local stone. The roof is covered with shingles stained moss green and the gutters are cypress.

The floors of the terrace and porch are red cement marked off in squares. The steps and borders of the walks are red brick.

On the inside a very pleasing effect has been obtained by using a sand finish on the plaster work, which harmonizes well with the oak trim used throughout the first floor. The woodwork on the second floor is birch; the kitchen and bathroom are tiled.

The house is equipped with gas and electricity and has low pressure steam heat.

The garage, unobtrusively located in the rear, is easily accessible from the house and follows the same general character of design.

#### HOUSE AND GARAGE AT CHICAGO, ILL.,

Page 74

Perry & Thomas, Architects

**I**N this case the garage has been attached to the house as a wing and forms a part of the design. It is so placed that it can be very easily reached from the rear entrance of the house and yet is entirely distinct from the living portion. The walls are of Natco Hollow Tile with stucco on the outside. Brick has been used for the chimney and also for the window sills. The roof is of green glazed tile. The finish of the interior is hardwood. The heating is by a vapor vacuum system.

#### HOUSE AND GARAGE AT WASHINGTON, D. C.,

Page 75

Maeneil & Maeneil, Architects

**T**HIS building is an example of the adaptation of the Spanish Mission type of architecture to the design of a small house. The garage is interesting in its design, which is thoroughly in the same character.

The foundations and walls as well as the chimney are all of Natco Hollow Tile, twelve-inch tile being used for the foundations and eight-inch tile for the walls. The exterior is finished with a cream-colored stucco, while on the inside the plaster has been applied directly to the tile.

In the garage a four-inch Natco Hollow Tile has been used, one side of which is salt glazed. This gives a finely finished surface for the inside without any plastering or other coating, thereby effecting a distinct saving in construction.

#### HOUSE AND GARAGE AT PELHAM MANOR, N. Y.,

Page 76

Richard S. Shapter, Architect

**T**HE exterior of this house is cement plaster finished to match Indiana limestone as much as possible both as to color and texture. The walls are twelve-inch Natco Hollow Tile. The roof is covered with Spanish Tile and its overhang is supported by large wooden brackets.

The rooms on the first floor are all finished in quartered oak, the living room being in the Flemish style, the halls in old English and the dining room in the Elizabethan period. The service portion of the main floor is finished in white, the walls being tiled up to a height of seven feet and above that enameled. The finish of the chambers is oak stained a light gray color and the walls are also tinted a silver gray. The basement contains a large laundry, cold storage room, boiler room and fuel room. The heat is by a vapor vacuum system.

The garage is built similarly to the house except that it is entirely fireproof. There is a large chamber and a bathroom on the upper floor.

#### HOUSE AND GARAGE AT WEEHAWKEN, N. J.,

Page 77

Mann & MacNeille, Architects

**W**HILE stucco is the more common treatment for the finish of Hollow Tile walls, brick may be used as a veneer at a saving in the expense of construction over solid brick and yet resulting in a wall of great durability. The air space in the tile effects a coolness in summer and a warmth in winter which is a distinct advantage over the ordinary brick construction.

In this house a wire cut buff brick has been used in connection with Natco Hollow Tile. The woodwork on the exterior has been stained a soft brown. The roof is of green slate.

It is interesting to note the manner in which the garage has been planned so that it is under one roof with the entrance porch, not only tying in with the design of the building but forming a direct passage between the house and garage.

#### HOUSE AND GARAGE AT CHICAGO, ILL.,

Page 78

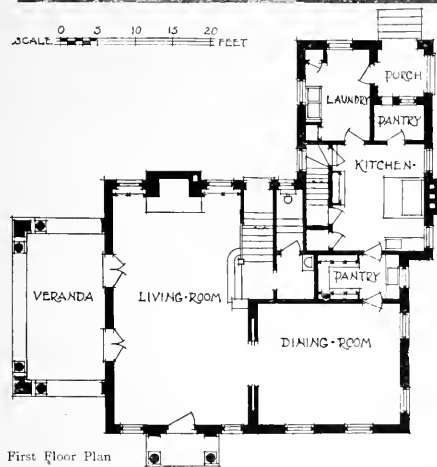
Marshall & Fox, Architects

**T**HE garage of this house has been so designed as to be an integral part of the whole design and directly accessible from the servants' hall. The large simple surfaces of stucco on Natco Hollow Tile are relieved by the color of the shutters, making a very restful and dignified design.

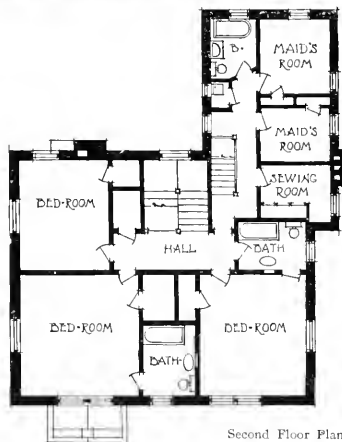
An interesting feature of the plan is the enclosed porch, which, with its arched opening, balances the entrance to the garage in the composition of the elevation. This porch is reached directly from the living room through two French doors and is quite as important in the household life as the living room itself.



SCALE 0 5 10 15 20 FEET



First Floor Plan



Second Floor Plan

HOUSE AND GARAGE AT MIDDLETOWN, N. J.  
Walls of Natco Hollow Tile with Stucco Finish  
Ernest A. Arend, Architect, Appleby Bldg., Asbury Park, N. J.



HOUSE AND GARAGE AT FLUSHING, LONG ISLAND, N. Y.  
Walls of Natco Hollow Tile with Stucco and Brick Finish  
Donn Barber, Architect, 101 Park Ave., New York



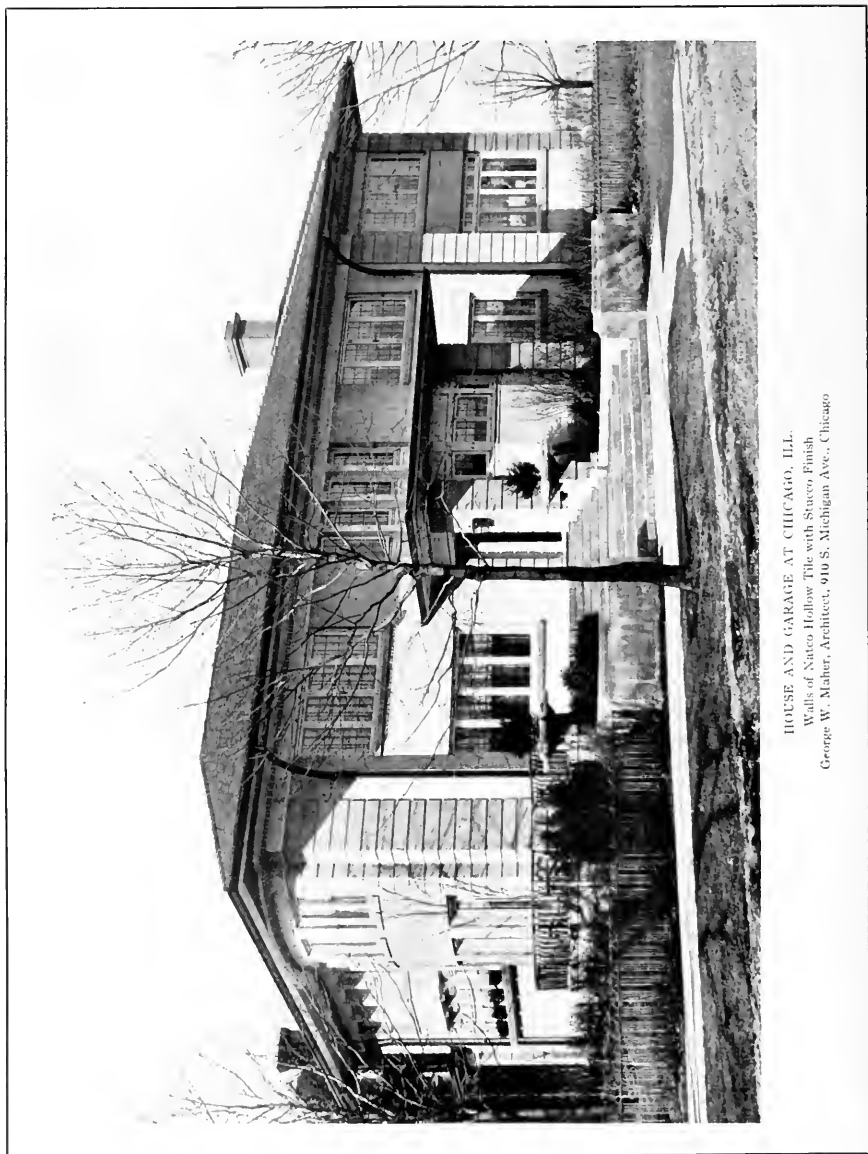
Second Floor Plan



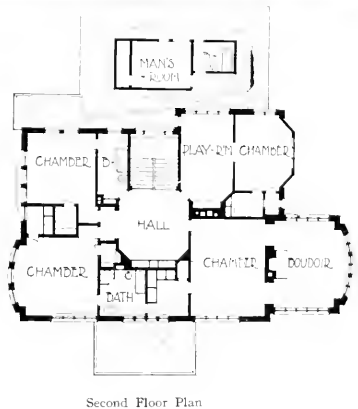
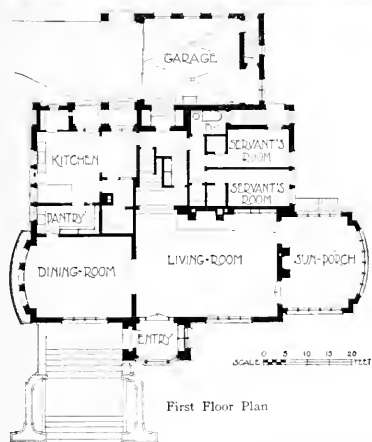
First Floor Plan

HOUSE AND GARAGE AT FLUSHING, LONG ISLAND, N. Y.  
Walls of Natco Hollow Tile with Stucco and Brick Finish  
Don Barber, Architect, 101 Park Ave., New York

THE NATCO HOUSE AND GARAGE



HOUSE AND GARAGE AT CHICAGO, ILL.  
Walls of Natco Hollow Tile with Stucco Finish  
George W. Maher, Architect, 910 S. Michigan Ave., Chicago



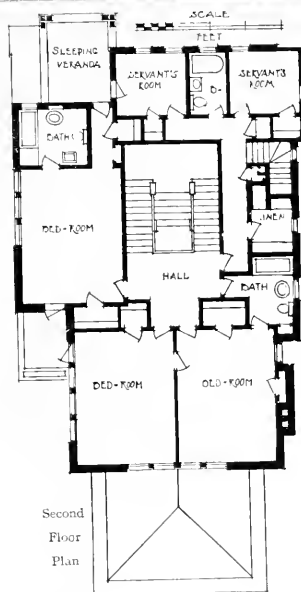
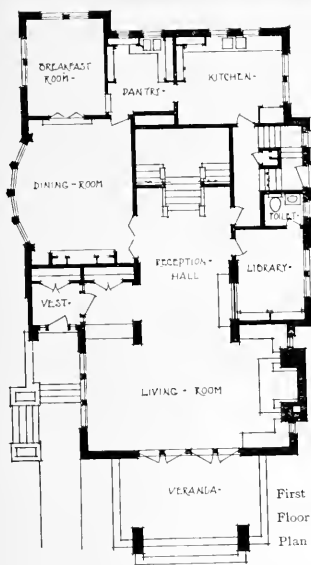
HOUSE AND GARAGE AT CHICAGO, ILL.  
Walls of Natco Hollow Tile with Stucco Finish  
George W. Maher, Architect, 910 S. Michigan Ave., Chicago.



HOUSE AND GARAGE AT OAK PARK, ILL.  
Walls of Stucco Hollow Tile with Stucco Finish  
John S. Van Bergen, Architect, 352 Fair Oaks Ave., Oak Park, Ill.

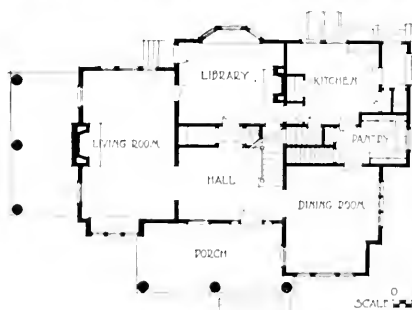


# THE NATCO HOUSE AND GARAGE

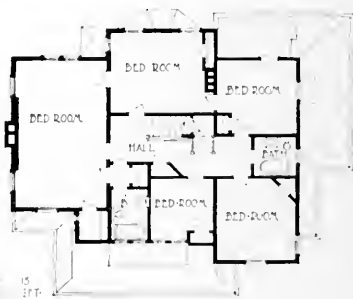


HOUSE AND GARAGE AT OAK PARK, ILL.  
 Walls of Natco Hollow Tile with Stucco Finish  
 John S. Van Bergen, Architect, 352 Fair Oaks Ave., Oak Park, Ill.

# THE NATCO HOUSE AND GARAGE



First Floor Plan



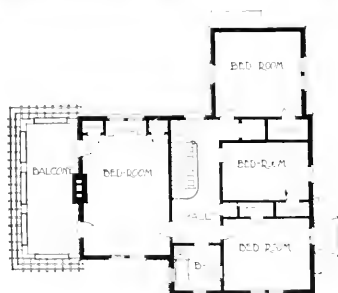
Second Floor Plan

SCALE 0 15 FT.

HOUSE AND GARAGE AT EDGEWATER PARK, N. J.  
Walls of Natco Hollow Tile with Stucco Finish  
J. Fletcher Street, Architect, 1036 Drexel Bldg., Philadelphia, Pa.



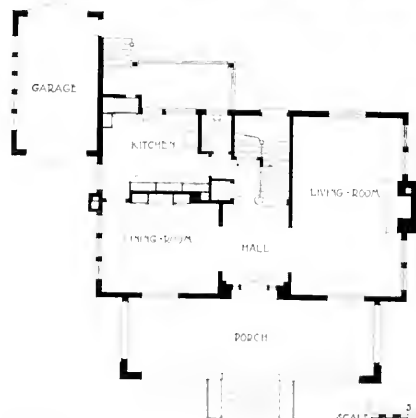
First Floor Plan



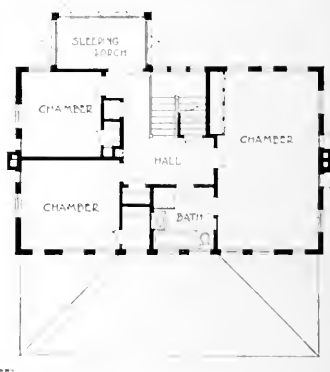
Second Floor Plan

HOUSE AND GARAGE AT PALISADE, N. J.  
Walls of Natco Hollow Tile with Stucco Finish  
Granville W. Dexter, Architect, Palisade, N. J.

# THE NATCO HOUSE AND GARAGE

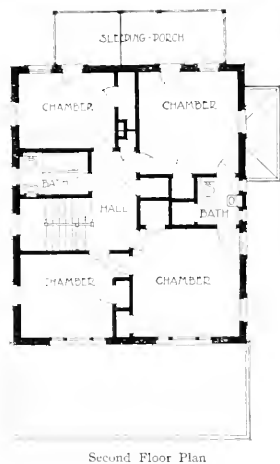
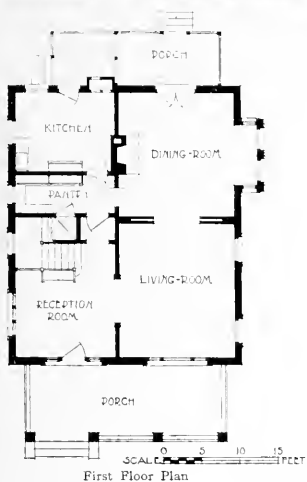


First Floor Plan



Second Floor Plan

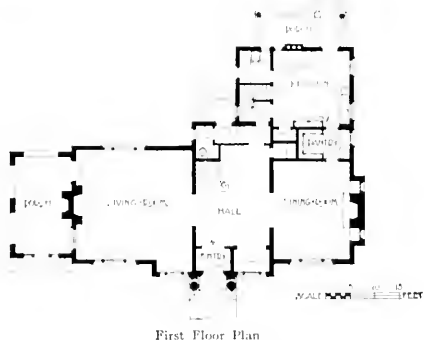
HOUSE AND GARAGE AT CHICAGO, ILL.  
Walls of Natco Hollow Tile with Stucco Finish  
Perry and Thomas, Architects, Marquette Bldg., Chicago



HOUSE AND GARAGE AT WASHINGTON, D. C.

Walls of Natco Hollow Tile with Stucco Finish  
Macneil and Macneil, Architects, Union Trust Bldg., Washington, D. C.

# THE NATCO HOUSE AND GARAGE

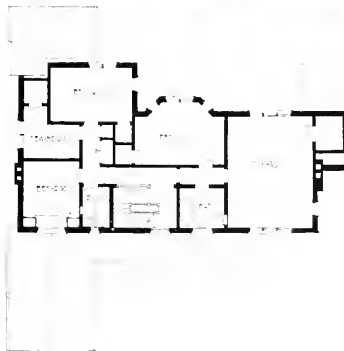


HOUSE AND GARAGE AT PELHAM MANOR, N. Y.

Walls of Natco Hollow Tile with Stucco Finish  
Richard Shapter, Architect, Post Office Bldg., Summit, N. J.



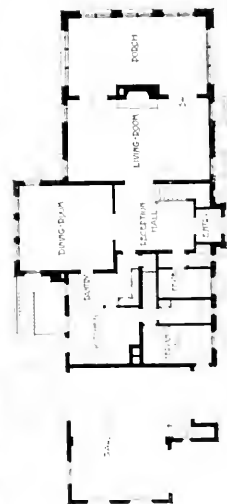
First Floor Plan



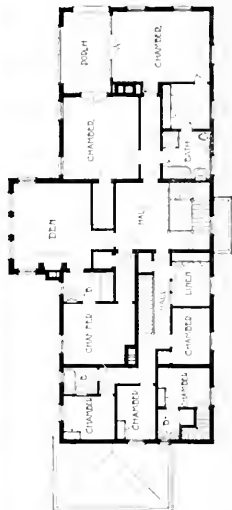
Second Floor Plan

HOUSE AND GARAGE AT WEEHAWKEN, N. J.

Walls of Natco Hollow Tile with Brick Veneer  
Mann and MacNeille, Architects, 70 E. 45th Street, New York



First Floor Plan



Second Floor Plan

SCALE: 0 3 6 9 12 15 18 21 24

HOUSE AND GARAGE AT CHICAGO, ILL.  
Walls of Natco Hollow Tile with Stucco Finish  
Marshall and Fox, Architects, First National Bank Bldg., Chicago



## Natco Hollow Tile

**T**HE wide use of Natco Hollow Tile for fireproof skyscraper construction has led leading architects to specify it for use in highest class residences and garages, and all buildings of this type. To meet the demand and the requirements of strictly bearing walls, a special type has been constructed of the same fire-proof material, known as

### NATCO XXX

The peculiar adaptability of Natco XXX to residences and garages is due to the double cross web, causing every web and shell of every Natco XXX Tile as set in exterior and bearing walls to come into direct alignment, and under complete compression.

Natco XXX walls represent the utmost in structural solidity and strength. They cannot burn. Neither can dampness, climate, temperature or age cause the slightest deterioration. The material is unequalled for house and garage work.

Permanence, absolute safety, and economy are features of Natco construction. The Natco house or garage needs no painting or repairing. It is warmer in winter and cooler in summer, because the Natco Hollow Tile insulate the structure with a blanket of dead air, and the material itself is practically non-conductive of heat or cold, and is absolutely moisture-proof. It affords no entrance to vermin. Finally—and this is of vital importance in house and garage construction—it is absolutely fireproof.

Various typical residences and garages are shown in this book, as indicative of the wonderful adaptability of Natco Hollow Tile for work of this character. It lends itself to any style of architectural treatment, available as it is in many varieties of correctly designed tile, and it will be found unequalled for use in floors, partitions, and roofs, as well as in bearing walls.

Naturally there are many inferior imitations of this highly successful product. The genuine may be distinguished by the trade mark "Natco" pressed into every Natco Hollow Tile.





# NATCO·HOLLOW·TILE



## What's Beyond Your Walls?

**Y**OU'RE at home in the library with its cheery atmosphere and surrounded by objects whose association makes them very dear to you. Your walls shut out the world and its worries, but do they shut out one fear that arises as you look around? Is the menace of a fire that might destroy your home always beyond the walls and out of your mind?

You can keep that disquieting fear beyond your walls forever if you build your home of

## NATCO·HOLLOW·TILE

Fire insurance is a part of foresight, to be sure, but the man who builds his home of Natco throughout is insuring not merely against financial loss, but against loss of the personal possessions that no money can duplicate.

Besides the fire safety, Natco gives your home an equally effective and enduring protection against the assaults of age and the elements. Nature has no power that can ever take your Natco home from you. With its air blankets, it aids you in keeping out winter's cold and summer's heat.

Whenever and whatever you do build, remember Natco not only as the material to use but as a free service at your command—the service of the experienced Natco Engineers working with you, your Architect and Contractor from the first plans to the finished building. Natco service is one of the factors that make Natco construction so uniformly satisfactory and economical. It prevents mistakes and waste in building.

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